MATERIALS

用于金属有机框架(MOFs)的有机连接体分子

Organic Linker Molecules for Metal Organic Frameworks (MOFs)

含氧有机连接体

含氮有机连接体

其它有机连接体

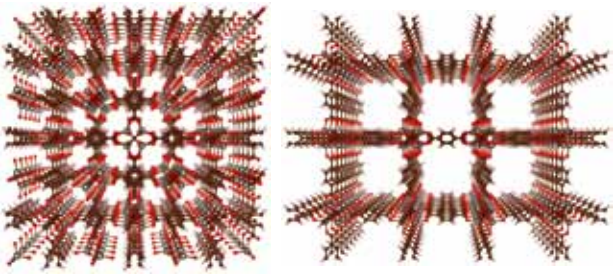
用于金属有机框架(MOFs)的有机连接体分子

迄今为止，已有超过20000个金属有机框架（MOF）和多孔配位聚合物（PCP）的实例报道。MOFs和PCPs的独特结构使得金属离子和有机配体之间有着广泛而多样的化学组合[1,2]。MOFs和PCPs具有多孔配位网络，比活性炭和沸石具有更大的表面积。纳米大小的孔能够吸收小分子，并有望用于气体存储和分离、传感器和催化等领域。

具有沸石功能的咪唑基金属有机框架，即所谓的ZIFs（沸石咪唑酯框架结构），因其热力学稳定性、化学稳定性，特别是在水中的稳定性得到了广泛关注[3,4]。

通过MOFs和PCPs吸附小分子的“晶体海绵法”，使我们能够利用MOF和PCP的晶体性质，对小分子的X射线结构进行解析。对于不易结晶的小分子来说，这是一项不可能完成的任务。该方法还可用于非晶态和气态有机分子的X射线结构分析[5,6]。

根据金属配位数和有机配体结构可以设计出各种MOFs和PCPs，也可以通过在有机配体上引入额外的官能团来赋予MOF或PCP独特的功能。TCI为设计各种MOF/PCP提供丰富的有机配体（有机连接体）。



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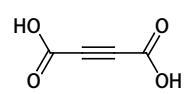
含氧有机连接体
Oxygenated Organic Linkers

A0088 5g 25g



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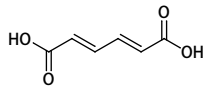
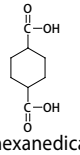
M0473 1g



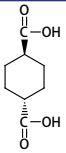
trans,*trans*-Muconic Acid
CAS RN: 3588-17-8

C0788 25g 500g



1,4-Cyclohexanedicarboxylic Acid (*cis*- and *trans*- mixture)
CAS RN: 1076-97-7

C0475 25g 100g 500g



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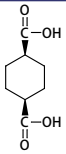

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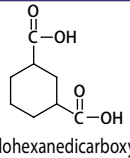

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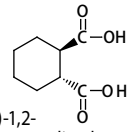
C1953 1g 5g



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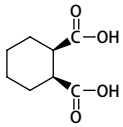

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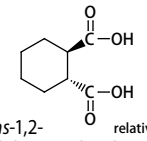

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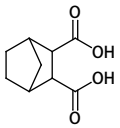

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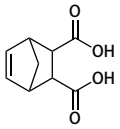

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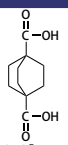
B5595 1g



Bicyclo[2.2.2]octane-1,4-dicarboxylic Acid
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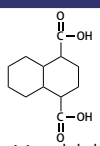
D4383 1g



Decahydro-1,4-naphthalene-dicarboxylic Acid (mixture of isomers)
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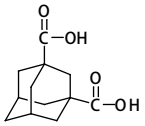
A1358 5g 25g



1,3-Dicarboxyadamantane
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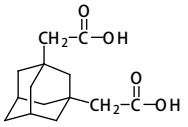

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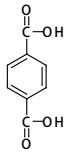

Terephthalic Acid
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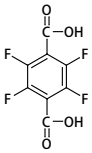

Tetrafluoroterephthalic Acid
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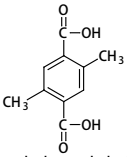

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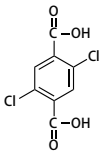

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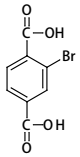

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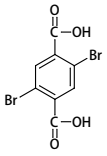

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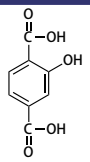

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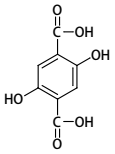

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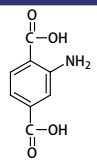

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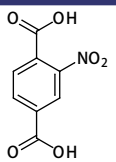

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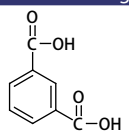

Isophthalic Acid
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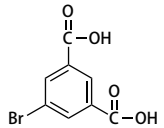
B4232 1g 5g



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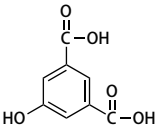

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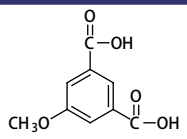

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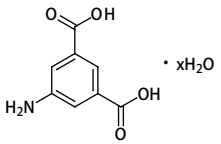

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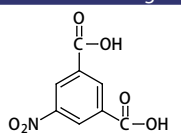

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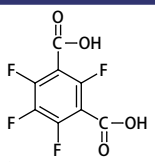

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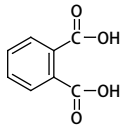

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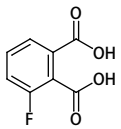

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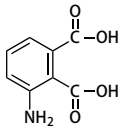

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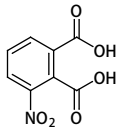

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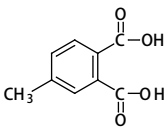

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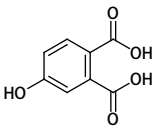

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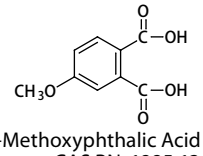

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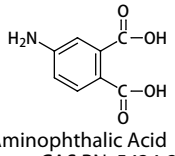

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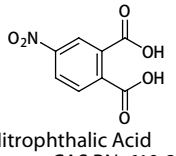

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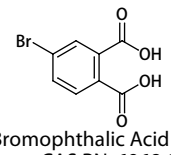
B2257 1g 5g 25g



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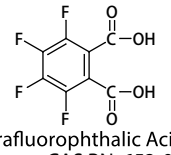
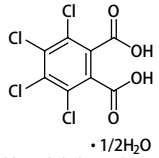


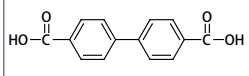
Tetrafluorophthalic Acid
CAS RN: 652-03-9

T0070 25g 500g



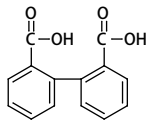
Tetrachlorophthalic Acid Hemihydrate
CAS RN: 632-58-6

B1191 5g 25g



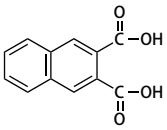
4,4'-Bibenzoic Acid
CAS RN: 787-70-2

D0864 25g 100g



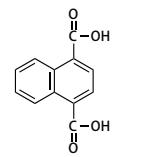
2,2'-Bibenzoic Acid
CAS RN: 482-05-3

N0526 5g 25g



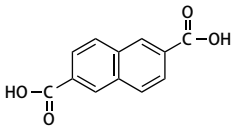
2,3-Naphthalenedicarboxylic Acid
CAS RN: 2169-87-1

N0606 25g 100g



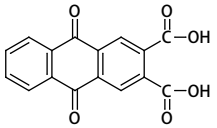
1,4-Naphthalenedicarboxylic Acid
CAS RN: 605-70-9

N0377 5g 25g 100g



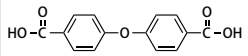
2,6-Naphthalenedicarboxylic Acid
CAS RN: 1141-38-4

A1681 1g



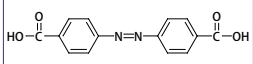
Anthraquinone-2,3-dicarboxylic Acid
CAS RN: 27485-15-0

D2115 25g 100g



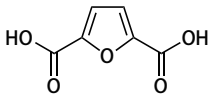
4,4'-Dicarboxydiphenyl Ether
CAS RN: 2215-89-6

A1596 1g 5g



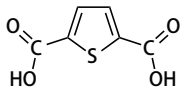
4,4'-Azodibenzoic Acid
CAS RN: 586-91-4

F0710 5g 25g



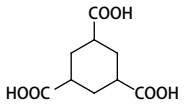
2,5-Furandicarboxylic Acid
CAS RN: 3238-40-2

T2347 5g 25g



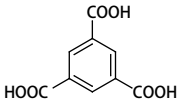
2,5-Thiophenedicarboxylic Acid
CAS RN: 4282-31-9

C2029 5g 25g



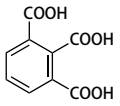
1,3,5-Cyclohexanetricarboxylic Acid
(*cis*- and *trans*- mixture)
CAS RN: 25357-95-3

B0043 25g 100g 500g



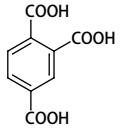
1,3,5-Benzenetricarboxylic Acid
CAS RN: 554-95-0

H1592 5g 25g



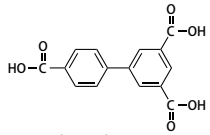
Hemimellitic Acid
CAS RN: 569-51-7

B0042 25g 100g 500g



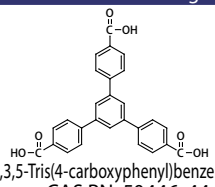
Trimellitic Acid
CAS RN: 528-44-9

B5795 1g



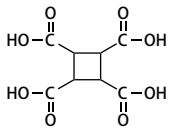
[1,1'-Biphenyl]-3,4',5-tricarboxylic Acid
CAS RN: 677010-20-7

T2647 1g 5g



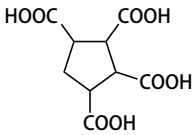
1,3,5-Tris(4-carboxyphenyl)benzene
CAS RN: 50446-44-1

C2502 1g



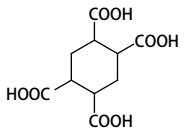
1,2,3,4-Cyclobutanetetracarboxylic Acid
CAS RN: 53159-92-5

C0856 5g 25g



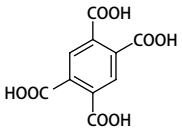
1,2,3,4-Cyclopentanetetracarboxylic Acid
CAS RN: 3724-52-5

C2198 5g 25g



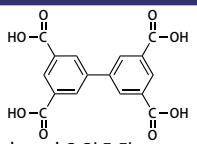
1,2,4,5-Cyclohexanetetracarboxylic Acid
CAS RN: 15383-49-0

B0039 25g 100g 500g



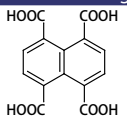
Pyromellitic Acid
CAS RN: 89-05-4

B3792 200mg



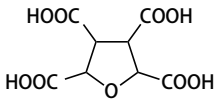
Biphenyl-3,3',5,5'-tetracarboxylic Acid
CAS RN: 4371-28-2

N0770 25g 250g



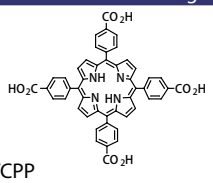
1,4,5,8-Naphthalenetetracarboxylic Acid (contains Monoanhydride)
CAS RN: 128-97-2

T0975 25g 500g



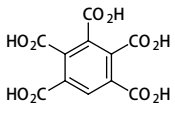
Tetrahydrofuran-2,3,4,5-tetracarboxylic Acid
CAS RN: 26106-63-8

A5015 100mg 1g



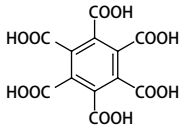
TCPP
CAS RN: 14609-54-2

B0952 5g 25g



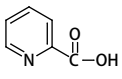
Benzenepentacarboxylic Acid
CAS RN: 1585-40-6

B0246 5g 25g



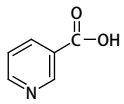
Mellitic Acid
CAS RN: 517-60-2

P0421 25g 100g 500g



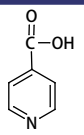
Picolinic Acid
CAS RN: 98-98-6

N0082 25g 500g



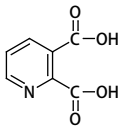
Nicotinic Acid
CAS RN: 59-67-6

I0207 25g 500g



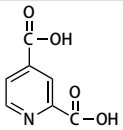
Isonicotinic Acid
CAS RN: 55-22-1

P0550 25g 500g



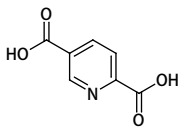
Quinolinic Acid
CAS RN: 89-00-9

P2416 5g 25g



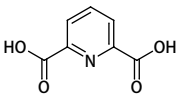
2,4-Lutidinic Acid
CAS RN: 499-80-9

P0552 25g



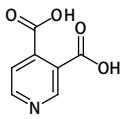
Isocinchomeronic Acid
CAS RN: 100-26-5

P0554 25g 100g 500g



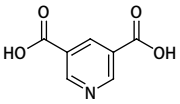
Dipicolinic Acid
CAS RN: 499-83-2

P0682 5g 25g



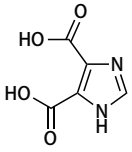
Cinchomeronic Acid
CAS RN: 490-11-9

P0551 5g 25g



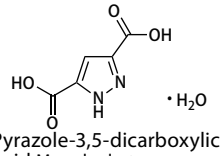
3,5-Pyridinedicarboxylic Acid
CAS RN: 499-81-0

I0003 5g 25g



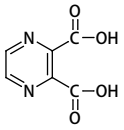
1*H*-Imidazole-4,5-dicarboxylic Acid
CAS RN: 570-22-9

P1048 5g 25g



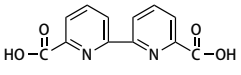
Pyrazole-3,5-dicarboxylic Acid Monohydrate
CAS RN: 3112-31-0

P0545 25g



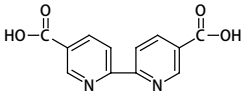
2,3-Pyrazinedicarboxylic Acid
CAS RN: 89-01-0

B3533 1g 5g



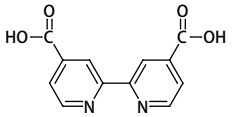
2,2'-Bipyridine-6,6'-dicarboxylic Acid
CAS RN: 4479-74-7

B3502 1g 5g



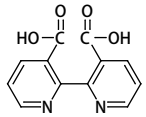
2,2'-Bipyridine-5,5'-dicarboxylic Acid
CAS RN: 1802-30-8

B1876 100mg 1g



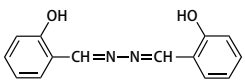
2,2'-Biisonicotinic Acid
CAS RN: 6813-38-3

B3622 1g



2,2'-Bipyridine-3,3'-dicarboxylic Acid
CAS RN: 4433-01-6

S0850 5g 25g



Salicylaldehyde Azine
CAS RN: 959-36-4

含氮有机连接体
Nitrogenated Organic Linkers

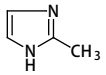
D0134 25g 100g 500g

DABCO
CAS RN: 280-57-9

I0001 25g 100g 500g

Imidazole
CAS RN: 288-32-4

M0345 25g 100g 500g

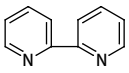


2-Methylimidazole
CAS RN: 693-98-1

P0544 25g 100g 500g

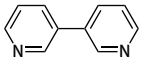
Pyrazine
CAS RN: 290-37-9

B0468 25g 100g 500g



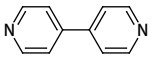
2,2'-Bipyridyl
CAS RN: 366-18-7

B3984 1g 5g



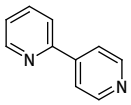
3,3'-Bipyridyl
CAS RN: 581-46-4

B0469 25g 100g



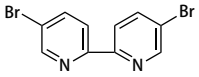
4,4'-Bipyridyl
CAS RN: 553-26-4

B0863 1g 5g



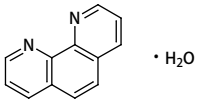
2,4'-Bipyridyl
CAS RN: 581-47-5

D4358 1g



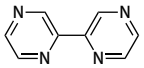
5,5'-Dibromo-2,2'-bipyridyl
CAS RN: 15862-18-7

P0221 1g 25g



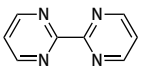
1,10-Phenanthroline Monohydrate
CAS RN: 5144-89-8

B4297 100mg 500mg



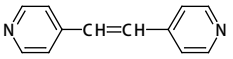
2,2'-Bipyrazine
CAS RN: 10199-00-5

B2496 200mg 1g



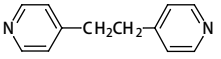
2,2'-Bipyrimidyl
CAS RN: 34671-83-5

D0276 10g 25g



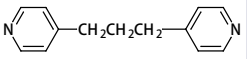
1,2-Di(4-pyridyl)ethylene
CAS RN: 13362-78-2

D3752 1g 5g



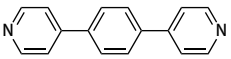
1,2-Di(4-pyridyl)ethane
CAS RN: 4916-57-8

D0938 25g 100g 500g



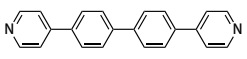
1,3-Di(4-pyridyl)propane
CAS RN: 17252-51-6

P1550 200mg 1g



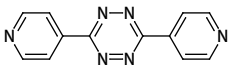
1,4-Di(4-pyridyl)benzene
CAS RN: 113682-56-7

D4203 200mg 1g



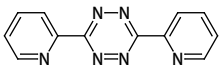
4,4'-Di(4-pyridyl)biphenyl
CAS RN: 319430-87-0

D3211 1g 5g



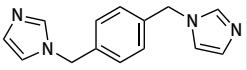
3,6-Di(4-pyridyl)-1,2,4,5-tetrazine
CAS RN: 57654-36-1

D3640 1g 5g



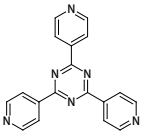
3,6-Di(2-pyridyl)-1,2,4,5-tetrazine
CAS RN: 1671-87-0

B4023 1g 5g



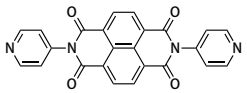
1,4-Bis[(1*H*-imidazol-1-yl)-methyl]benzene
CAS RN: 56643-83-5

T1937 1g 5g



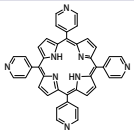
2,4,6-Tri(4-pyridyl)-1,3,5-triazine
(purified by sublimation)
CAS RN: 42333-78-8

D4152 1g 5g



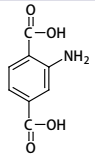
N,*N*'-Di(4-pyridyl)-1,4,5,8-naphthalenetetracarboxdiimide
CAS RN: 34151-49-0

T2222 1g 5g



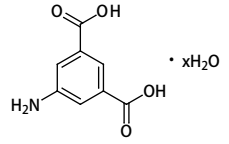
5,10,15,20-Tetra(4-pyridyl)-porphyrin
CAS RN: 16834-13-2

A1291 25g



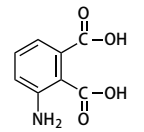
2-Aminoterephthalic Acid
CAS RN: 10312-55-7

A1290 25g 100g 500g



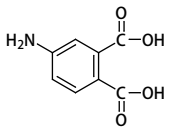
5-Aminoisophthalic Acid Hydrate
CAS RN: 99-31-0

A1516 1g 5g



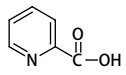
3-Aminophthalic Acid
CAS RN: 5434-20-8

A1512 5g 25g



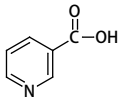
4-Aminophthalic Acid
CAS RN: 5434-21-9

P0421 25g 100g 500g



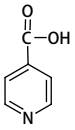
Picolinic Acid
CAS RN: 98-98-6

N0082 25g 500g



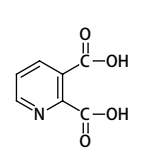
Nicotinic Acid
CAS RN: 59-67-6

I0207 25g 500g



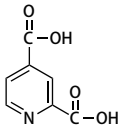
Isonicotinic Acid
CAS RN: 55-22-1

P0550 25g 500g



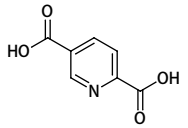
Quinolinic Acid
CAS RN: 89-00-9

P2416 5g 25g



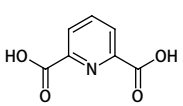
2,4-Lutidinic Acid
CAS RN: 499-80-9

P0552 25g



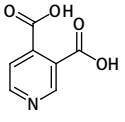
Isocinchomeronic Acid
CAS RN: 100-26-5

P0554 25g 100g 500g



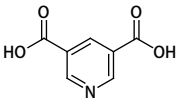
Dipicolinic Acid
CAS RN: 499-83-2

P0682 5g 25g



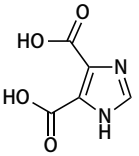
Cinchomeronic Acid
CAS RN: 490-11-9

P0551 5g 25g



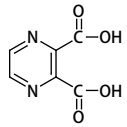
3,5-Pyridinedicarboxylic Acid
CAS RN: 499-81-0

I0003 5g 25g



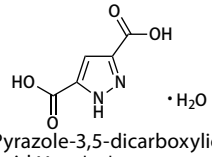
1*H*-Imidazole-4,5-dicarboxylic Acid
CAS RN: 570-22-9

P0545 25g



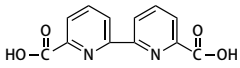
2,3-Pyrazinedicarboxylic Acid
CAS RN: 89-01-0

P1048 5g 25g



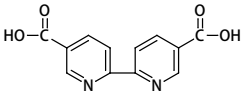
Pyrazole-3,5-dicarboxylic Acid Monohydrate
CAS RN: 3112-31-0

B3533 1g 5g



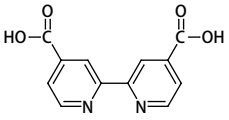
2,2'-Bipyridine-6,6'-dicarboxylic Acid
CAS RN: 4479-74-7

B3502 1g 5g



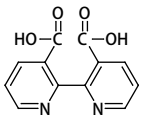
2,2'-Bipyridine-5,5'-dicarboxylic Acid
CAS RN: 1802-30-8

B1876 100mg 1g



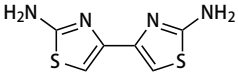
2,2'-Biisonicotinic Acid
CAS RN: 6813-38-3

B3622 1g



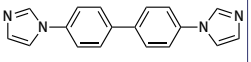
2,2'-Bipyridine-3,3'-dicarboxylic Acid
CAS RN: 4433-01-6

D4273 200mg 1g



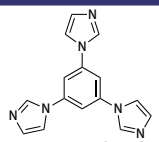
2,2'-Diamino-4,4'-bithiazole
CAS RN: 58139-59-6

D5777 1g 5g



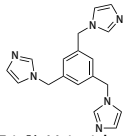
4,4'-Di(1*H*-imidazol-1-yl)-1,1'-biphenyl
CAS RN: 855766-92-6

T3903 1g



1,3,5-Tri(1*H*-imidazol-1-yl)-benzene
CAS RN: 528543-96-6

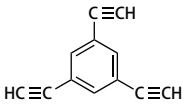
T3479 1g 5g



1,3,5-Tris[(1H-imidazol-1-yl)methyl]benzene
CAS RN: 147951-02-8

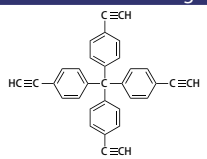
其它有机连接体
Other Organic Linkers

T2760 1g 5g



1,3,5-Triethynylbenzene
CAS RN: 7567-63-7

T3151 100mg 1g



Tetrakis(4-ethynylphenyl)methane
CAS RN: 177991-01-4

梯希爱(上海)化成工业发展有限公司

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