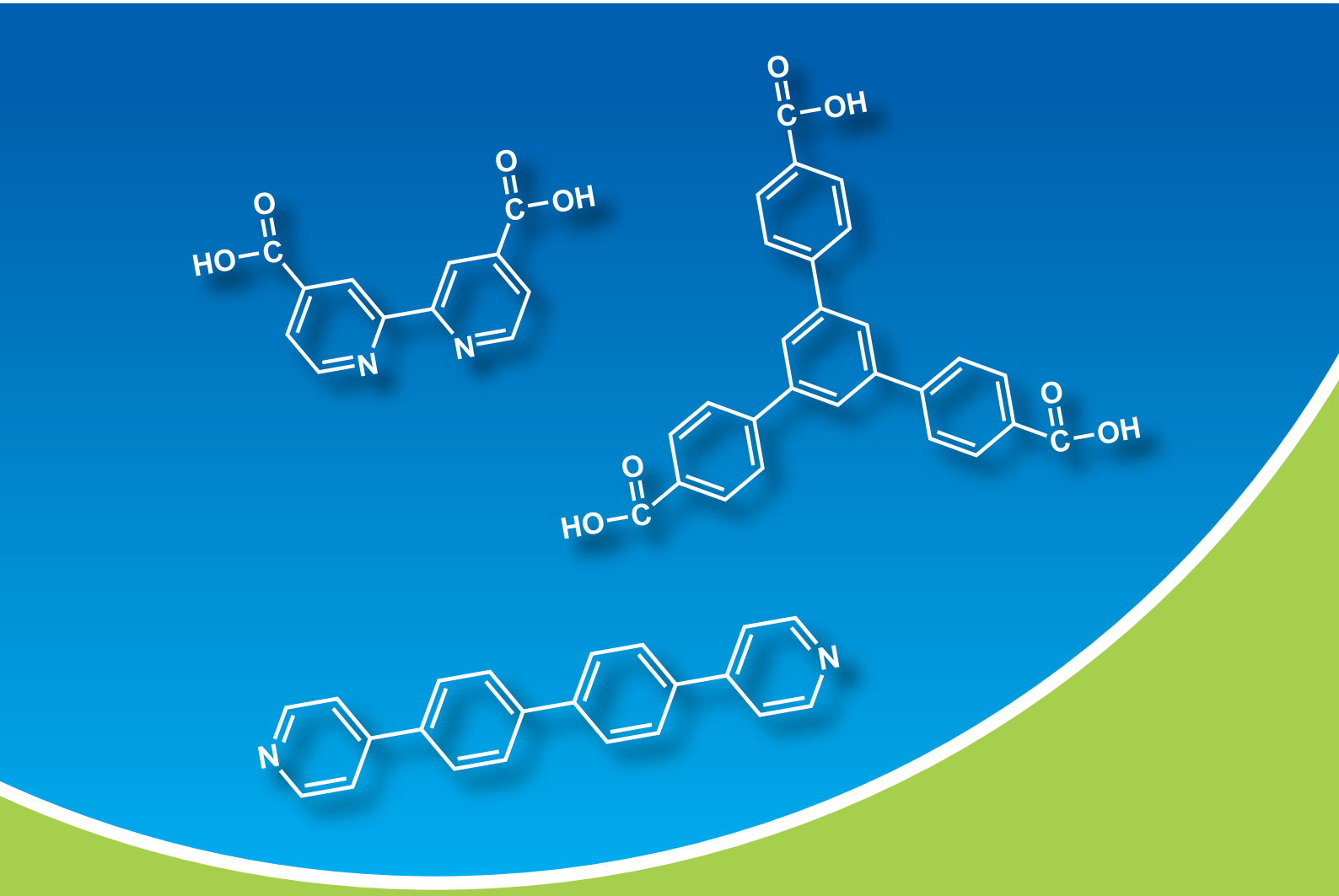
MATERIALS

金属有機構造体 (MOF)・多孔配位高分子 (PCP) 用有機リンカー

Organic Linker Molecules for Metal Organic Frameworks (MOFs)

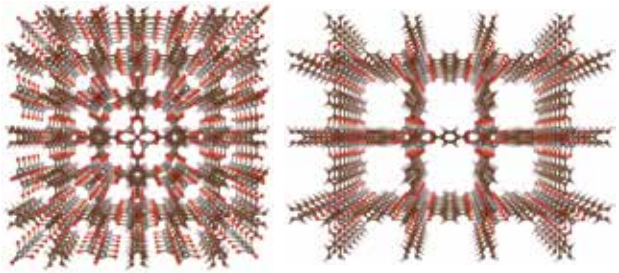


金属有機構造体(MOF)・多孔配位高分子(PCP)用有機リンカー

金属有機構造体（MOF），多孔性配位高分子（PCP）はこれまでに2万種以上の物質が報告されており，様々な金属イオンと有機配位子との組合せにより，そのネットワーク構造は多様なものとなります。MOF/PCPは，活性炭やゼオライトをはるかに越える高表面積をもつ多孔質な配位ネットワークを持ちます。そのナノメートルサイズの細孔に小さい分子を吸収でき，ガスの貯蔵や分離，センサー，触媒への応用が期待されています。

また，単結晶のMOF/PCPの細孔内に低分子を吸収させ，その低分子化合物のX線構造解析を可能とする手法は結晶スポンジ法と呼ばれています。非晶質の有機分子，気体の分子などのX線構造解析も可能とする技術として知られています。

金属イオンの配位方向，有機配位子の構造によりMOF/PCPの構造を合理的に設計することが可能で，有機配位子に官能基を導入することで機能性を付与することも出来ます。TCIでは，多様なMOF/PCP設計のための有機配位子（有機リンカー）を品揃えしています。



D0134 25g 100g 500g

DABCO
CAS RN: 280-57-9

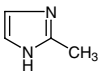
H0093 25g 500g

HMTA
CAS RN: 100-97-0

I0001 25g 100g 500g

Imidazole
CAS RN: 288-32-4

M0345 25g 100g 500g

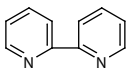


2-Methylimidazole
CAS RN: 693-98-1

P0544 25g 500g

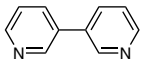
Pyrazine
CAS RN: 290-37-9

B0468 25g 100g 500g



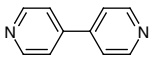
2,2'-Bipyridyl
CAS RN: 366-18-7

B3984 1g 5g



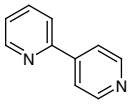
3,3'-Bipyridyl
CAS RN: 581-46-4

B0469 25g 100g



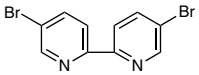
4,4'-Bipyridyl
CAS RN: 553-26-4

B0863 1g 5g



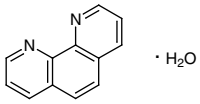
2,4'-Bipyridyl
CAS RN: 581-47-5

D4358 1g



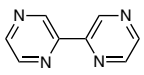
5,5'-Dibromo-2,2'-bipyridyl
CAS RN: 15862-18-7

P0221 1g 25g



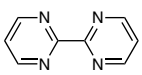
1,10-Phenanthroline Monohydrate
CAS RN: 5144-89-8

B4297 100mg 500mg



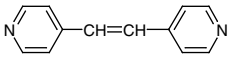
2,2'-Bipyrazine
CAS RN: 10199-00-5

B2496 200mg 1g



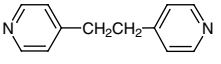
2,2'-Bipyrimidyl
CAS RN: 34671-83-5

D0276 10g 25g



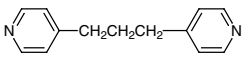
1,2-Di(4-pyridyl)ethylene
CAS RN: 13362-78-2

D3752 1g 5g



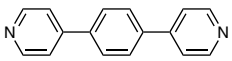
1,2-Di(4-pyridyl)ethane
CAS RN: 4916-57-8

D0938 25g 500g



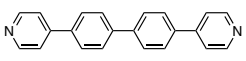
1,3-Di(4-pyridyl)propane
CAS RN: 17252-51-6

P1550 200mg 1g



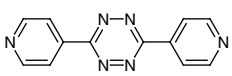
1,4-Di(4-pyridyl)benzene
CAS RN: 113682-56-7

D4203 200mg 1g



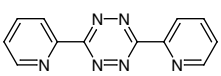
4,4'-Di(4-pyridyl)biphenyl
CAS RN: 319430-87-0

D3211 1g 5g



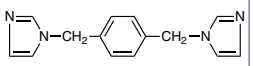
3,6-Di(4-pyridyl)-1,2,4,5-tetrazine
CAS RN: 57654-36-1

D3640 1g 5g



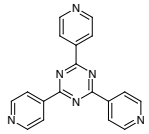
3,6-Di(2-pyridyl)-1,2,4,5-tetrazine
CAS RN: 1671-87-0

B4023 1g 5g



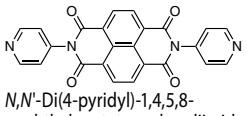
1,4-Bis[(1*H*-imidazol-1-yl)-methyl]benzene
CAS RN: 56643-83-5

T1937 1g 5g



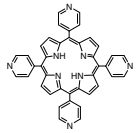
2,4,6-Tri(4-pyridyl)-1,3,5-triazine (purified by sublimation)
CAS RN: 42333-78-8

D4152 1g 5g



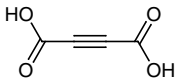
N,*N*'-Di(4-pyridyl)-1,4,5,8-naphthalenetetracarboxdiimide
CAS RN: 34151-49-0

T2222 1g 5g



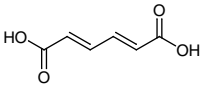
5,10,15,20-Tetra(4-pyridyl)-porphyrin
CAS RN: 16834-13-2

A0088 5g 25g



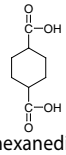
Acetylenedicarboxylic Acid
CAS RN: 142-45-0

M0473 1g



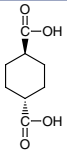
trans,*trans*-Muconic Acid
CAS RN: 3588-17-8

C0788 25g 500g



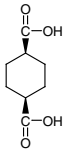
1,4-Cyclohexanedicarboxylic Acid (*cis*- and *trans*- mixture)
CAS RN: 1076-97-7

C0475 25g 100g 500g



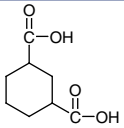
trans-1,4-Cyclohexanedicarboxylic Acid
CAS RN: 619-82-9

C0789 25g 100g



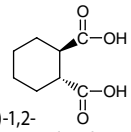
cis-1,4-Cyclohexanedicarboxylic Acid
CAS RN: 619-81-8

C2186 5g 25g



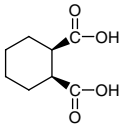
1,3-Cyclohexanedicarboxylic Acid (*cis*- and *trans*- mixture)
CAS RN: 3971-31-1

C1953 1g 5g



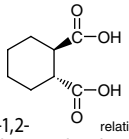
(1*R*,2*R*)-1,2-Cyclohexanedicarboxylic Acid
CAS RN: 46022-05-3

C0458 25g 500g



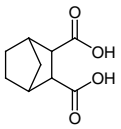
cis-1,2-Cyclohexanedicarboxylic Acid
CAS RN: 610-09-3

C0474 25g 500g



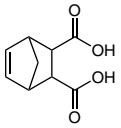
trans-1,2-Cyclohexanedicarboxylic Acid relative
CAS RN: 2305-32-0

N0753 5g 25g



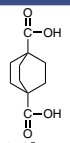
2,3-Norbornanedicarboxylic Acid
CAS RN: 1724-08-9

N1029 5g 25g



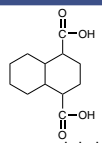
5-Norbornene-2,3-dicarboxylic Acid
CAS RN: 3813-52-3

B5595 1g



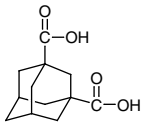
Bicyclo[2.2.2]octane-1,4-dicarboxylic Acid
CAS RN: 711-02-4

D4383 1g



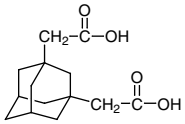
Decahydro-1,4-naphthalene-dicarboxylic Acid (mixture of isomers)
CAS RN: 879360-14-2

A1358 5g 25g



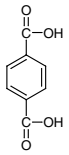
1,3-Dicarboxyadamantane
CAS RN: 39269-10-8

A1357 5g



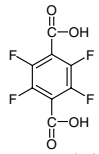
1,3-Adamantanediacetic Acid
CAS RN: 17768-28-4

T0166 25g 500g



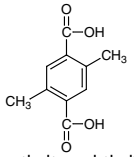
Terephthalic Acid
CAS RN: 100-21-0

T0930 1g 5g



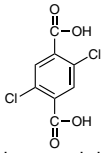
Tetrafluoroterephthalic Acid
CAS RN: 652-36-8

D2208 5g 25g



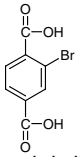
2,5-Dimethylterephthalic Acid
CAS RN: 6051-66-7

D1698 1g 5g



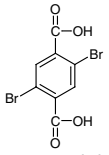
2,5-Dichloroterephthalic Acid
CAS RN: 13799-90-1

B1321 5g 25g



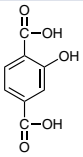
Bromoterephthalic Acid
CAS RN: 586-35-6

D3994 5g 25g



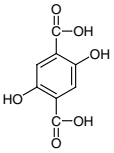
2,5-Dibromoterephthalic Acid
CAS RN: 13731-82-3

H1385 1g 5g



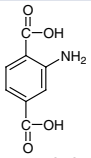
2-Hydroxyterephthalic Acid
CAS RN: 636-94-2

D3899 5g 25g



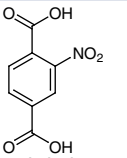
2,5-Dihydroxyterephthalic Acid
CAS RN: 610-92-4

A1291 25g



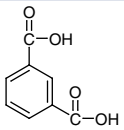
2-Aminoterephthalic Acid
CAS RN: 10312-55-7

N0272 5g 25g



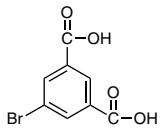
Nitroterephthalic Acid
CAS RN: 610-29-7

I0155 25g 500g



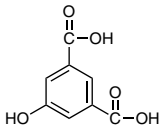
Isophthalic Acid
CAS RN: 121-91-5

B4232 1g 5g



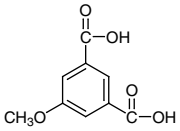
5-Bromoisophthalic Acid
CAS RN: 23351-91-9

H0794 25g 500g



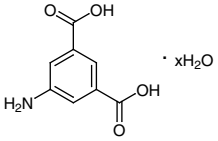
5-Hydroxyisophthalic Acid
CAS RN: 618-83-7

M1835 5g



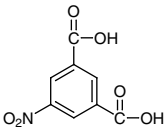
5-Methoxyisophthalic Acid
CAS RN: 46331-50-4

A1290 25g 100g 500g



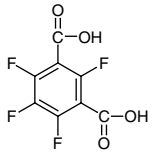
5-Aminoisophthalic Acid Hydrate
CAS RN: 99-31-0

N0520 25g 500g



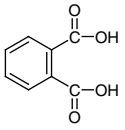
5-Nitroisophthalic Acid
CAS RN: 618-88-2

T1374 1g 5g



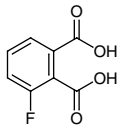
Tetrafluoroisophthalic Acid
CAS RN: 1551-39-9

P0287 25g 500g



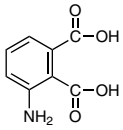
Phthalic Acid
CAS RN: 88-99-3

F0353 5g



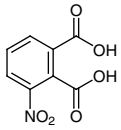
3-Fluorophthalic Acid
CAS RN: 1583-67-1

A1516 1g 5g



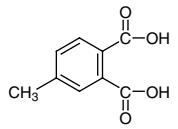
3-Aminophthalic Acid
CAS RN: 5434-20-8

N0243 25g 500g



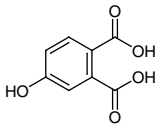
3-Nitrophthalic Acid
CAS RN: 603-11-2

M0560 25g 500g



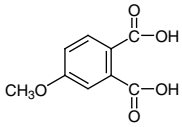
4-Methylphthalic Acid
CAS RN: 4316-23-8

H0609 5g



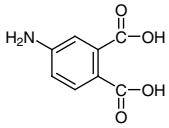
4-Hydroxyphthalic Acid
CAS RN: 610-35-5

M1432 1g 5g



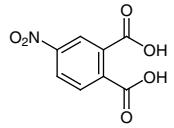
4-Methoxyphthalic Acid
CAS RN: 1885-13-8

A1512 5g 25g



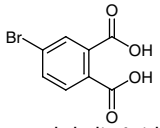
4-Aminophthalic Acid
CAS RN: 5434-21-9

N0244 25g 500g



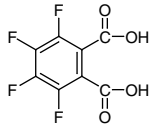
4-Nitrophthalic Acid
CAS RN: 610-27-5

B2257 1g 5g 25g



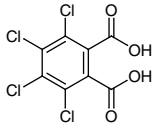
4-Bromophthalic Acid
CAS RN: 6968-28-1

T0986 5g 25g



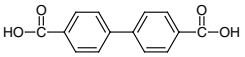
Tetrafluorophthalic Acid
CAS RN: 652-03-9

T0070 25g 500g



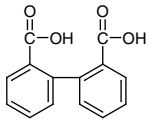
Tetrachlorophthalic Acid Hemihydrate
CAS RN: 632-58-6

B1191 5g 25g



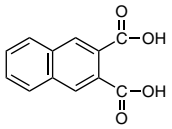
4,4'-Bibenzoic Acid
CAS RN: 787-70-2

D0864 25g 100g



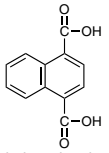
2,2'-Bibenzoic Acid
CAS RN: 482-05-3

N0526 5g 25g



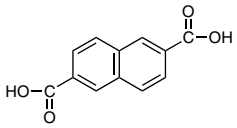
2,3-Naphthalenedicarboxylic Acid
CAS RN: 2169-87-1

N0606 25g 100g



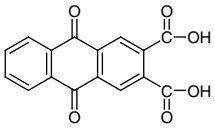
1,4-Naphthalenedicarboxylic Acid
CAS RN: 605-70-9

N0377 5g 25g 100g



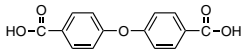
2,6-Naphthalenedicarboxylic Acid
CAS RN: 1141-38-4

A1681 1g



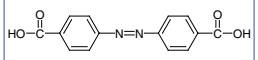
Anthraquinone-2,3-dicarboxylic Acid
CAS RN: 27485-15-0

D2115 25g 100g



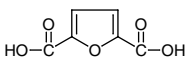
4,4'-Dicarboxydiphenyl Ether
CAS RN: 2215-89-6

A1596 1g 5g



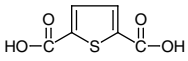
4,4'-Azodibenzoic Acid
CAS RN: 586-91-4

F0710 5g 25g



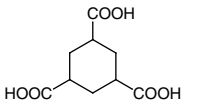
2,5-Furandicarboxylic Acid
CAS RN: 3238-40-2

T2347 5g 25g



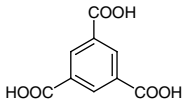
2,5-Thiophenedicarboxylic Acid
CAS RN: 4282-31-9

C2029 5g 25g



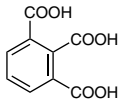
1,3,5-Cyclohexanetricarboxylic Acid
(*cis*- and *trans*- mixture)
CAS RN: 25357-95-3

B0043 25g 100g 500g



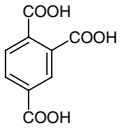
1,3,5-Benzenetricarboxylic Acid
CAS RN: 554-95-0

H1592 5g 25g



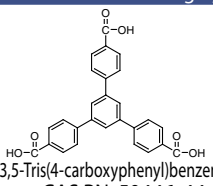
Hemimellitic Acid
CAS RN: 569-51-7

B0042 25g 100g 500g



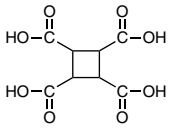
Trimellitic Acid
CAS RN: 528-44-9

T2647 1g 5g



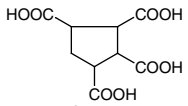
1,3,5-Tris(4-carboxyphenyl)benzene
CAS RN: 50446-44-1

C2502 1g



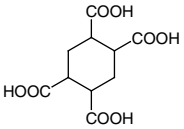
1,2,3,4-Cyclobutane-
tetracarboxylic Acid
CAS RN: 53159-92-5

C0856 5g 25g



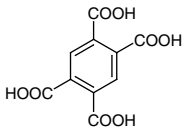
1,2,3,4-Cyclopentane-
tetracarboxylic Acid
CAS RN: 3724-52-5

C2198 5g 25g



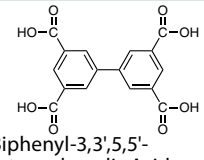
1,2,4,5-Cyclohexane-
tetracarboxylic Acid
CAS RN: 15383-49-0

B0039 25g 100g 500g



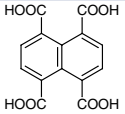
Pyromellitic Acid
CAS RN: 89-05-4

B3792 200mg



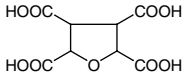
Biphenyl-3,3',5,5'-
tetracarboxylic Acid
CAS RN: 4371-28-2

N0770 25g 250g



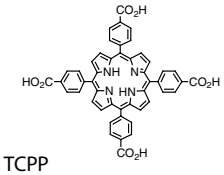
1,4,5,8-Naphthalenete-
tracarboxylic Acid (contains
Monoanhydride)
CAS RN: 128-97-2

T0975 25g 500g



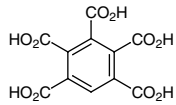
Tetrahydrofuran-2,3,4,5-
tetracarboxylic Acid
CAS RN: 26106-63-8

A5015 100mg 1g



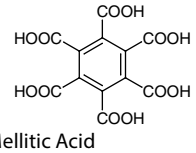
TCPP
CAS RN: 14609-54-2

B0952 5g 25g



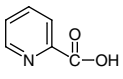
Benzenepentacarboxylic Acid
CAS RN: 1585-40-6

B0246 5g 25g



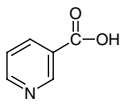
Mellitic Acid
CAS RN: 517-60-2

P0421 25g 100g 500g



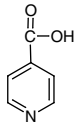
Picolinic Acid
CAS RN: 98-98-6

N0082 25g 500g



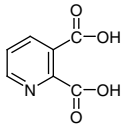
Nicotinic Acid
CAS RN: 59-67-6

I0207 25g 500g



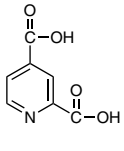
Isonicotinic Acid
CAS RN: 55-22-1

P0550 25g 500g



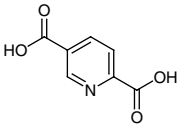
Quinolinic Acid
CAS RN: 89-00-9

P2416 5g 25g



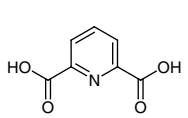
2,4-Lutidinic Acid
CAS RN: 499-80-9

P0552 25g



Isocinchomeronic Acid
CAS RN: 100-26-5

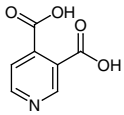
P0554 25g 100g 500g



Dipicolinic Acid
CAS RN: 499-83-2

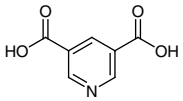
価格についてはホームページでご覧いただけます。ホームページでは構造式から試薬を検索することができます。
www.TCIchemicals.com/eshop/ja/jp/catalog/list/structure/

P0682 5g 25g



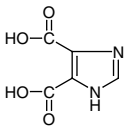
Cinchomeronic Acid
CAS RN: 490-11-9

P0551 5g 25g



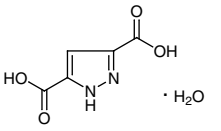
3,5-Pyridinedicarboxylic Acid
CAS RN: 499-81-0

I0003 5g 25g



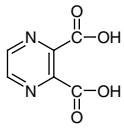
1*H*-Imidazole-4,5-dicarboxylic Acid
CAS RN: 570-22-9

P1048 5g 25g



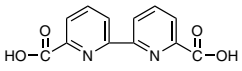
Pyrazole-3,5-dicarboxylic Acid Monohydrate
CAS RN: 3112-31-0

P0545 25g



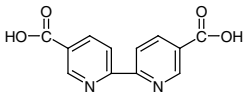
2,3-Pyrazinedicarboxylic Acid
CAS RN: 89-01-0

B3533 1g 5g



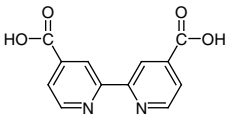
2,2'-Bipyridine-6,6'-dicarboxylic Acid
CAS RN: 4479-74-7

B3502 1g 5g



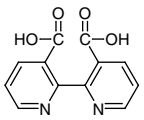
2,2'-Bipyridine-5,5'-dicarboxylic Acid
CAS RN: 1802-30-8

B1876 100mg 1g



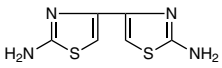
2,2'-Biisonicotinic Acid
CAS RN: 6813-38-3

B3622 1g



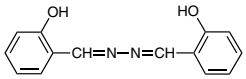
2,2'-Bipyridine-3,3'-dicarboxylic Acid
CAS RN: 4433-01-6

D4273 200mg 1g



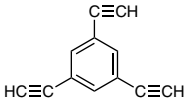
2,2'-Diamino-4,4'-bithiazole
CAS RN: 58139-59-6

S0850 5g 25g



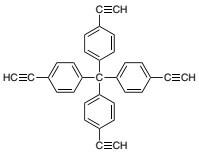
Salicylaldehyde Azine
CAS RN: 959-36-4

T2760 1g 5g



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

T3151 100mg 1g



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

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