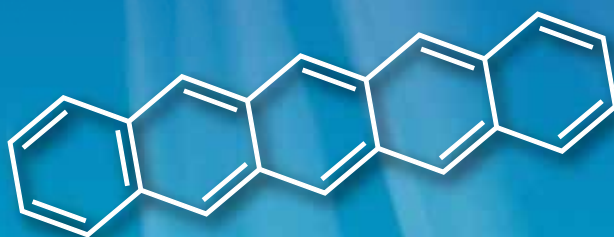


升华提纯化合物

Chemical Compounds Purified by Sublimation



升华提纯化合物

试剂纯度在很多应用中都至关重要，在涉及到包括聚芳烃在内的电子材料时尤为重要。特别是并五苯（P0030, P2524），或*N,N'*-二苯基-*N,N'*-二(间甲苯基)联苯胺（D3236），在有机半导体材料中的应用引起了越来越多的关注。有机化合物的纯化几乎全部是通过柱层析或重结晶法进行的。这个方法非常有效，但只适用于可溶于有机溶剂的化合物。包括PAHs在内的很多电子材料，由于其大量的 π 共轭和芳香性，难溶或完全不溶于有机溶剂。

幸而这种高度的 π 共轭使其具有高挥发性和较高的升华温度，从而可通过升华提纯进行高效纯化。

为了满足研究和工业需求，TCI推出了多种升华提纯的电子材料，这些材料可以更加便利且可靠地应用于各种研究。

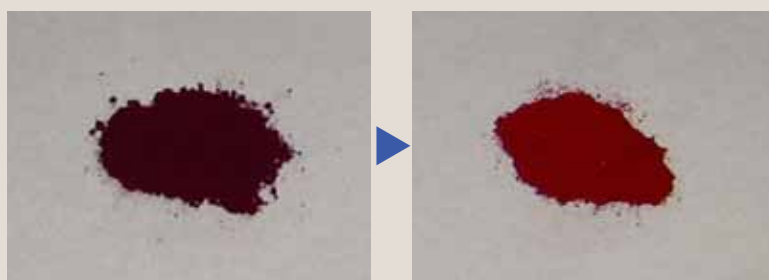
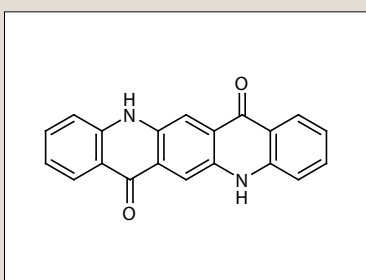
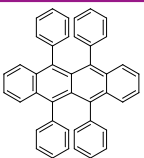
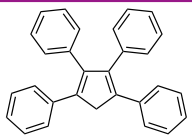
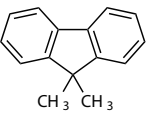
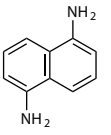
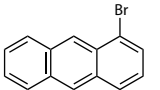
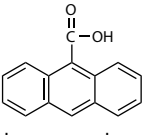
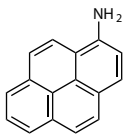
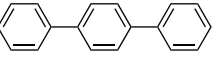
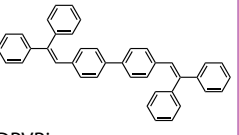
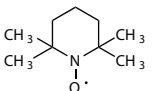
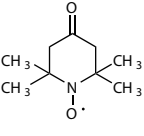
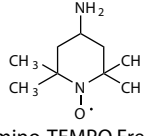
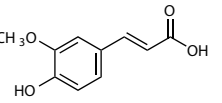

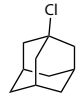



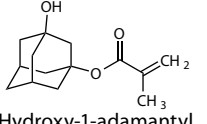
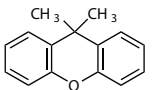
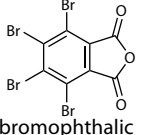
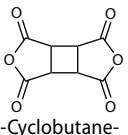
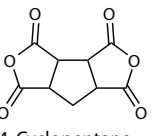
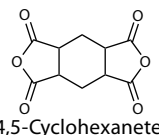
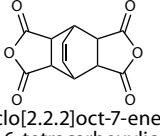
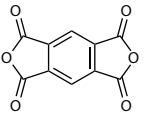
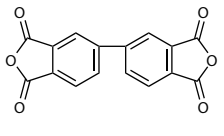
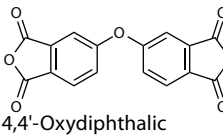
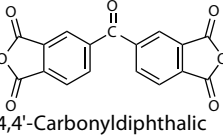
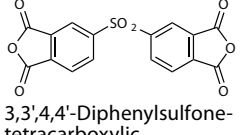
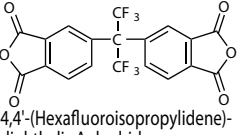
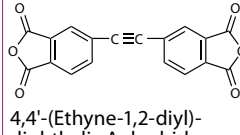
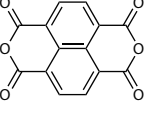
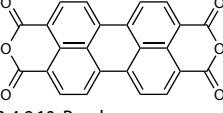
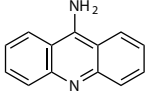
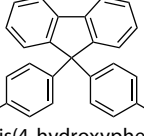
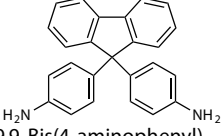
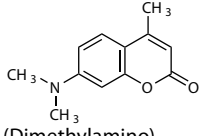
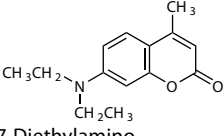
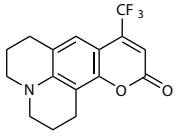


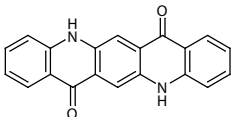
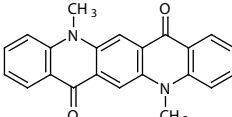
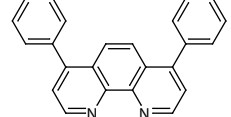
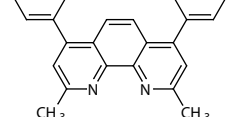
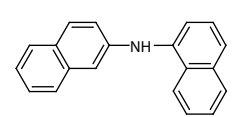
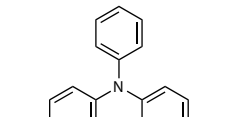
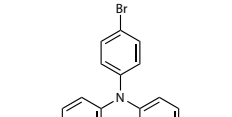
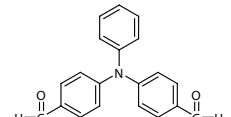
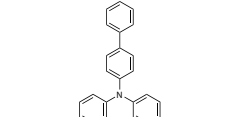
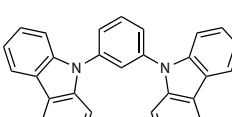
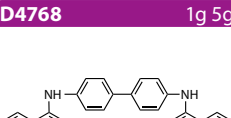

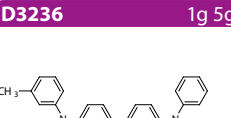
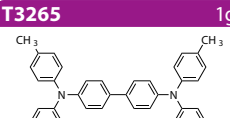
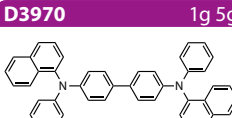
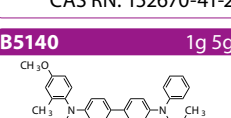
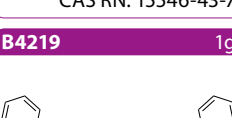
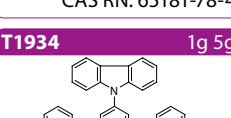
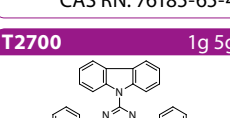
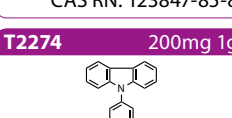
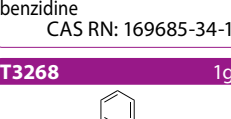
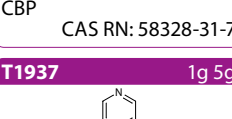
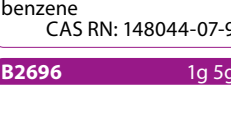
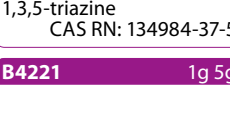
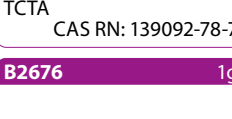
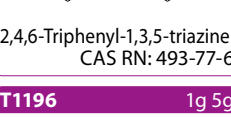
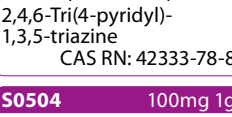

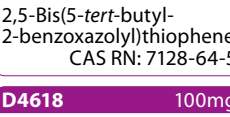
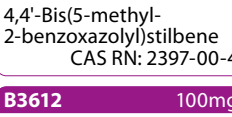
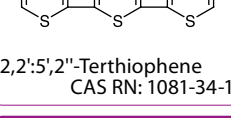
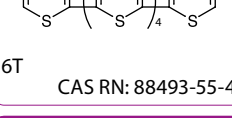
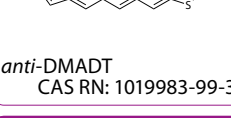
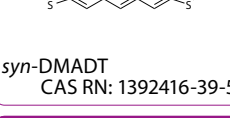
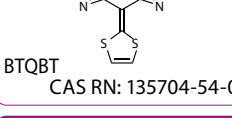
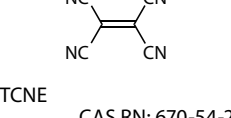
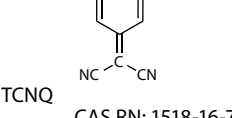
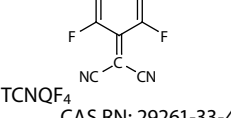
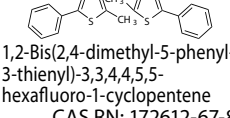
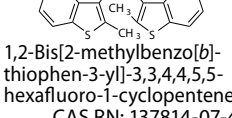
Fig. 1. 喹吖啶酮 (Q0083) 升华提纯前后的外观对比

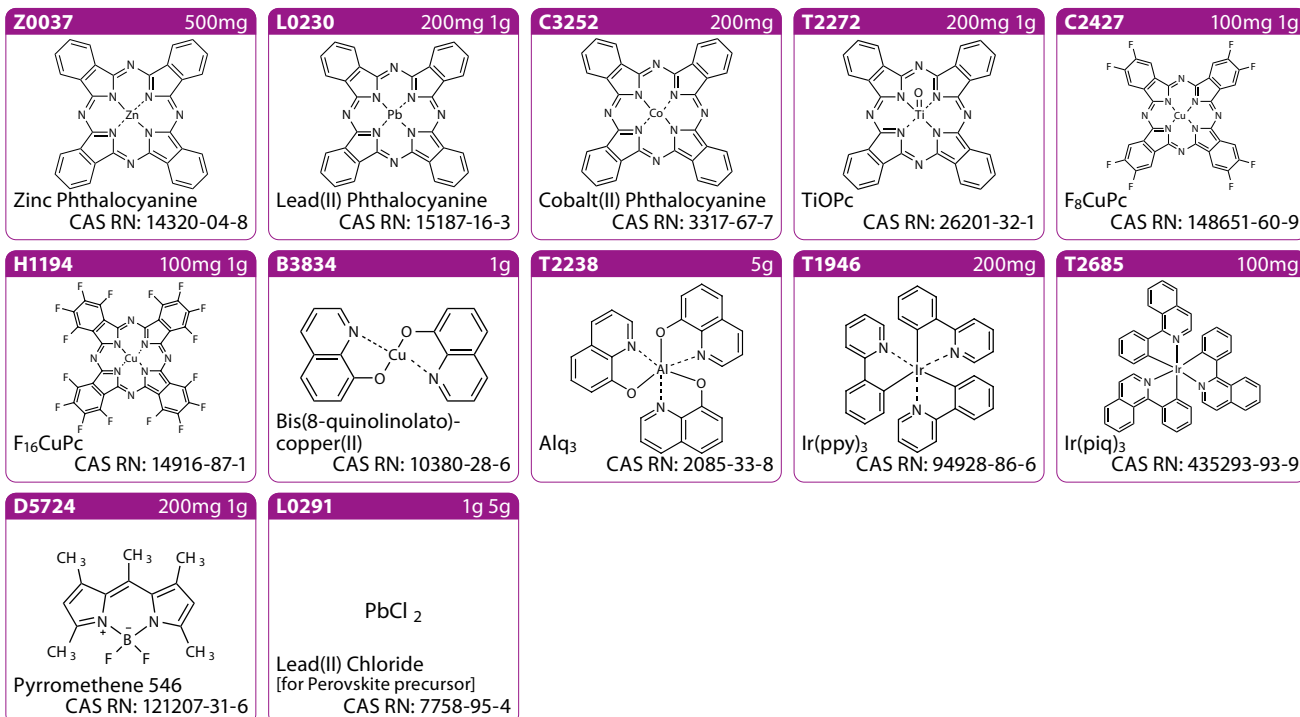
通过对喹吖啶酮（Q0083）升华前（深紫色）和升华后（红色）的目视比较，可以看出通过升华提纯其纯度和品质的提高。

其它升华提纯的电子材料如下所示。

T3267 200mg 1g Triphenylene CAS RN: 217-59-4	N0951 200mg 1g Naphthacene CAS RN: 92-24-0	C0339 100mg 1g Benzo[a]phenanthrene CAS RN: 218-01-9	P2072 1g Pyrene CAS RN: 129-00-0	P0030 100m 1g Pentacene CAS RN: 135-48-8
P2524 100mg 1g Pentacene (99.999%, trace metals basis) CAS RN: 135-48-8	P2207 100mg 500mg Picene (>99.9%) CAS RN: 213-46-7	B0085 100mg 1g 3,4-Benzopyrene CAS RN: 50-32-8	P1629 1g Perylene CAS RN: 198-55-0	C1961 100mg Coronene CAS RN: 191-07-1
T2655 100mg 4,5,9,10-Tetrahydropyrene CAS RN: 781-17-9	D4401 1g 9,10-Diphenylanthracene CAS RN: 1499-10-1	D5152 100mg 2,6-Diphenylanthracene CAS RN: 95950-70-2	D5065 1g 9,10-Di(1-naphthyl)-anthracene CAS RN: 26979-27-1	D5066 200mg 9,10-Di(2-naphthyl)-anthracene CAS RN: 122648-99-1

T2233 250mg 1g  Rubrene CAS RN: 517-51-1	T3771 1g  1,2,3,4-Tetraphenyl-1,3-cyclopentadiene CAS RN: 15570-45-3	D3810 1g  9,9-Dimethylfluorene CAS RN: 4569-45-3	D5689 1g 5g  1,5-Diaminonaphthalene CAS RN: 2243-62-1	B3475 1g  1-Bromoanthracene CAS RN: 7397-92-4
A3299 1g  9-Anthracenecarboxylic Acid CAS RN: 723-62-6	A3241 1g  1-Aminopyrene CAS RN: 1606-67-3	T3263 5g 25g  p-Terphenyl CAS RN: 92-94-4	B5139 200mg 1g  DPVBi CAS RN: 142289-08-5	T3751 1g 5g  TEMPO Free Radical CAS RN: 2564-83-2
O0521 1g  4-Oxo-TEMPO Free Radical CAS RN: 2896-70-0	A3235 200mg 1g  4-Amino-TEMPO Free Radical CAS RN: 14691-88-4	F1257 1g 5g  trans-Ferulic Acid CAS RN: 537-98-4	A3233 5g 25g  Adamantane CAS RN: 281-23-2	C3557 1g  1-Chloroadamantane CAS RN: 935-56-8
B5879 1g 5g  1-Bromoadamantane CAS RN: 768-90-1	D5654 1g 5g  1,3-Dibromoadamantane CAS RN: 876-53-9	A3234 1g  1-Adamantanamine CAS RN: 768-94-5	H1689 1g 5g  3-Hydroxy-1-adamantyl Methacrylate CAS RN: 115372-36-6	D5731 1g  9,9-Dimethyl-9H-xanthen CAS RN: 19814-75-6
T3871 5g  Tetrabromophthalic Anhydride CAS RN: 632-79-1	C2842 1g 5g  1,2,3,4-Cyclobutane-tetracarboxylic Dianhydride CAS RN: 4415-87-6	C2920 1g 5g  1,2,3,4-Cyclopentane-tetracarboxylic Dianhydride CAS RN: 6053-68-5	C2919 1g 5g  1,2,4,5-Cyclohexane-tetracarboxylic Dianhydride CAS RN: 2754-41-8	B4261 5g 25g  Bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic Dianhydride CAS RN: 1719-83-1
P2103 5g 25g  Pyromellitic Dianhydride CAS RN: 89-32-7	B4262 5g  4,4'-Bipthalic Anhydride CAS RN: 2420-87-3	O0423 5g  4,4'-Oxydiphthalic Anhydride CAS RN: 1823-59-2	B4260 5g 25g  4,4'-Carbonyldiphthalic Anhydride CAS RN: 2421-28-5	D4554 1g 5g  3,3',4,4'-Diphenylsulfone-tetracarboxylic Dianhydride CAS RN: 2540-99-0
H1438 1g 5g  4,4'-(Hexafluoroisopropylidene)-diphthalic Anhydride CAS RN: 1107-00-2	E1412 1g 5g  4,4'-(Ethyne-1,2-diyl)-diphthalic Anhydride CAS RN: 129808-00-0	N0755 1g 5g  NTCDA CAS RN: 81-30-1	P2102 1g  3,4,9,10-Perylene-tetracarboxylic Dianhydride CAS RN: 128-69-8	A3298 1g  9-Aminoacridine CAS RN: 90-45-9
B4834 1g 5g  9,9-Bis(4-hydroxyphenyl)-fluorene CAS RN: 3236-71-3	B2654 1g  9,9-Bis(4-aminophenyl)-fluorene CAS RN: 15499-84-0	D5727 1g  7-(Dimethylamino)-4-methylcoumarin CAS RN: 87-01-4	D5730 5g  7-Diethylamino-4-methylcoumarin CAS RN: 91-44-1	C3640 200mg  Coumarin 153 CAS RN: 53518-18-6

<p>Q0083 1g</p>  <p>Quinacridone CAS RN: 1047-16-1</p>	<p>D3227 1g</p>  <p>DMQA CAS RN: 19205-19-7</p>	<p>B2695 1g</p>  <p>Bathophenanthroline CAS RN: 1662-01-7</p>	<p>B2694 1g 5g</p>  <p>Bathocuproine CAS RN: 4733-39-5</p>	<p>D2988 1g 5g</p>  <p>1,2'-Dinaphthylamine CAS RN: 4669-06-1</p>
<p>D5603 200mg 1g</p>  <p>4,4'-Dibromotriphenylamine CAS RN: 81090-53-1</p>	<p>T3777 200mg 1g</p>  <p>Tris(4-bromophenyl)amine CAS RN: 4316-58-9</p>	<p>B2843 1g</p>  <p>Bis(4-formylphenyl)-phenylamine CAS RN: 53566-95-3</p>	<p>T3778 200mg 1g</p>  <p>Tris(4-biphenyl)amine CAS RN: 6543-20-0</p>	<p>D4087 1g</p>  <p>1,3-Di-9-carbazolylbenzene CAS RN: 550378-78-4</p>
<p>D4768 1g 5g</p>  <p>N,N'-Di(1-naphthyl)benzidine CAS RN: 152670-41-2</p>	<p>T3266 1g 5g</p>  <p>TPB CAS RN: 15546-43-7</p>	<p>D3236 1g 5g</p>  <p>TPD CAS RN: 65181-78-4</p>	<p>T3265 1g</p>  <p>N,N,N',N'-Tetrakis(<i>p</i>-tolyl)-benzidine CAS RN: 76185-65-4</p>	<p>D3970 1g 5g</p>  <p>N,N'-Di-1-naphthyl-N,N'-diphenylbenzidine CAS RN: 123847-85-8</p>
<p>B5140 1g 5g</p>  <p>N,N'-Bis(4-methoxy-2-methylphenyl)-N,N'-diphenylbenzidine CAS RN: 169685-34-1</p>	<p>B4219 1g</p>  <p>CBP CAS RN: 58328-31-7</p>	<p>T1934 1g 5g</p>  <p>1,3,5-Tri(9H-carbazol-9-yl)-benzene CAS RN: 148044-07-9</p>	<p>T2700 1g 5g</p>  <p>2,4,6-Tri(9H-carbazol-9-yl)-1,3,5-triazine CAS RN: 134984-37-5</p>	<p>T2274 200mg 1g</p>  <p>TCTA CAS RN: 139092-78-7</p>
<p>T3268 1g</p>  <p>2,4,6-Triphenyl-1,3,5-triazine CAS RN: 493-77-6</p>	<p>T1937 1g 5g</p>  <p>2,4,6-Tri(4-pyridyl)-1,3,5-triazine CAS RN: 42333-78-8</p>	<p>B2696 1g 5g</p>  <p>PBD CAS RN: 15082-28-7</p>	<p>B4221 1g 5g</p>  <p>2,5-Bis(5-<i>tert</i>-butyl-2-benzoxazolyl)thiophene CAS RN: 7128-64-5</p>	<p>B2676 1g</p>  <p>4,4'-Bis(5-methyl-2-benzoxazolyl)stilbene CAS RN: 2397-00-4</p>
<p>T1196 1g 5g</p>  <p>2,2':5,2''-Terthiophene CAS RN: 1081-34-1</p>	<p>S0504 100mg 1g</p>  <p>6T CAS RN: 88493-55-4</p>	<p>D4617 100mg</p>  <p><i>anti</i>-DMADT CAS RN: 1019983-99-3</p>	<p>D4618 100mg</p>  <p><i>syn</i>-DMADT CAS RN: 1392416-39-5</p>	<p>B3612 100mg</p>  <p>BTQBT CAS RN: 135704-54-0</p>
<p>T3264 1g 5g</p>  <p>TCNE CAS RN: 670-54-2</p>	<p>T3034 1g 5g</p>  <p>TCNQ CAS RN: 1518-16-7</p>	<p>T1131 100mg 1g</p>  <p>TCNQF₄ CAS RN: 29261-33-4</p>	<p>B5604 100mg</p>  <p>1,2-Bis(2,4-dimethyl-5-phenyl-3-thienyl)-3,3,4,4,5,5-hexafluoro-1-cyclopentene CAS RN: 172612-67-8</p>	<p>B5623 100mg</p>  <p>1,2-Bis[2-methylbenzo[<i>b</i>]thiophen-3-yl]-3,3,4,4,5,5-hexafluoro-1-cyclopentene CAS RN: 137814-07-4</p>
<p>P1795 1g</p>  <p>Phthalocyanine CAS RN: 574-93-6</p>	<p>P2734 100mg 500mg</p>  <p>Phthalocyanine [for organic electronics] CAS RN: 574-93-6</p>	<p>P1628 1g</p>  <p>CuPc CAS RN: 147-14-8</p>	<p>C3645 100mg 500mg</p>  <p>CuPc [for organic electronics] CAS RN: 147-14-8</p>	<p>I0783 200mg 1g</p>  <p>Iron(II) Phthalocyanine CAS RN: 132-16-1</p>



升华提纯服务

本公司提供产品委托合成和升华提纯服务，如果您需要的产品不在此单页的列表中，请咨询我们。

TCI优势

- 对从委托合成生产到升华提纯的全程掌控
- 特有的升华提纯装置，应用范围广泛
 - » 可对各类化合物进行升华提纯
 - » 纯化规模从毫克级到千克级
- 可进行残留金属分析
- 可在低水分、低氧条件下对化合物进行处理及包装

如有需求，请联系我们

当您发送需求时，请提供如下信息：

- ◆ 产品信息（化合物的名称，结构式，物理数据，文献信息等）
- ◆ 需求量
- ◆ 交货期
- ◆ 是否需要保密协议（我们保证所有商业事务的保密性。如果您需要额外的保密合同，请随时联系我们）
- ◆ 是否可提供原料（我们可以从原料开始生产）
- ◆ 升华提纯后的检测项目
- ◆ 包装要求

报价

- * 我们将会根据您的要求进行报价
- * 如果没有任何关于该化合物的信息，我们将会需要您提供样品进行验证。（某些情况下，升华提纯可能会较为困难）

订单

交货



梯希爱(上海)化成工业发展有限公司

试剂热线：800-988-0390或021-67121386

大包装热线：800-988-1865

传真：021-67121385

邮箱：Sales-CN@TCIchemicals.com

地址：上海化学工业区普工路96号

邮编：201507

www.TCIchemicals.com