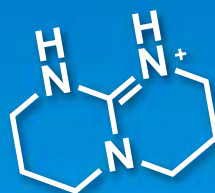
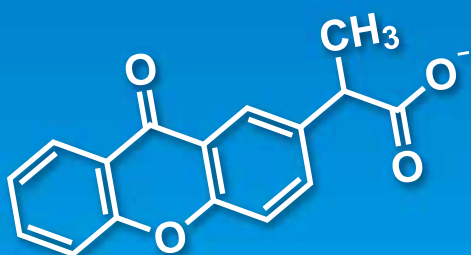
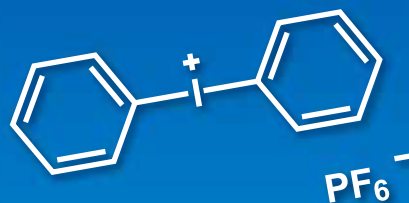
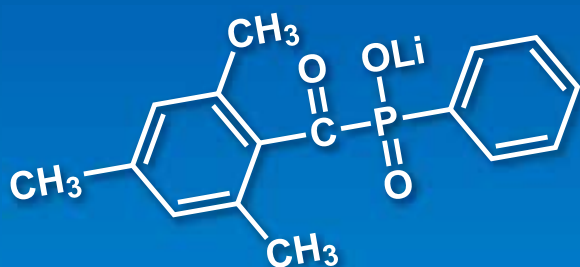


聚合引发剂

Polymerization Initiators



热聚合引发剂

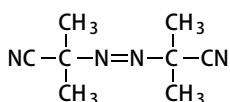
光聚合引发剂



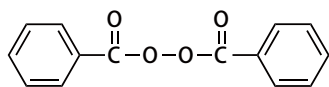
聚合引发剂

引发剂通常应用在自由基聚合等链增长聚合反应中，并通过光或热对引发进行调控。

热聚合引发剂是一类在热的作用下可产生自由基或阳离子的化合物。如，2,2'-偶氮双(异丁腈)(AIBN)等偶氮化合物，以及过氧化苯甲酰(BPO)等有机过氧化物都是比较常见的自由基热引发剂，苯磺酸酯和烷基铈盐则被发展成为了阳离子热引发剂。

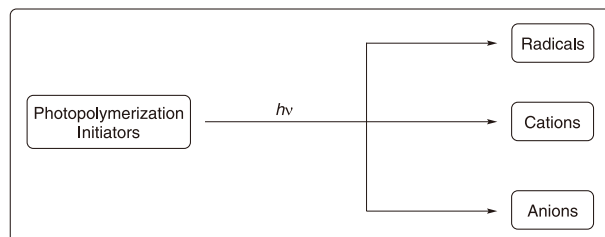


AIBN
[A0566]



BPO
[B3152]

光聚合引发剂被用于生成光固化复合物的众多领域。在紫外光(UV)和电子束的照射作用下，这些复合物发生聚合，从而使其物理性质发生了改变，比如溶解度、黏度，以及粘附性等。其中，液体转变为固体这一现象尤为有用，可用在涂料、印刷油墨、牙科材料、平板印刷、光刻胶等领域的表面处理技术中。



根据所形成的活性物种的不同，光聚合引发剂可以大致分为三种类型(如上图所示)。其中，传统的光聚合引发剂在光照作用下生成自由基，从而引发聚合过程。苯偶姻衍生物就是这类引发剂的典型代表。光产酸剂在光照作用下可以生成阳离子(酸)，在1990年代末被投入到实际应用中。光碱基产生剂是当前研究的热点，其在光照作用下可以生成阴离子(碱)。

References

The Chemistry of Radical Polymerization, 2nd ed., ed. by G. Moad, D. H. Solomon, Elsevier B.V., Amsterdam, 2005.

Photopolymers: Photoresist Materials, Processes, and Applications, ed. by K. Nakamura, CRC Press, Florida, 2014.

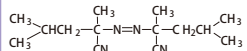
热聚合引发剂

Thermal Polymerization Initiators

自由基热聚合引发剂

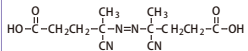
Thermal-Radical Initiators

A0680 25g 500g



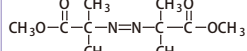
ADV N [4419-11-8]

A1671 25g 250g



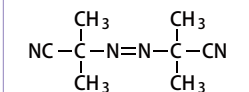
ACVA (contains ca. 20% Water) [2638-94-0]

D3797 25g



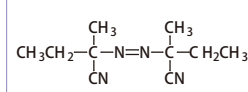
Dimethyl 2,2'-Azobis(2-methylpropionate) [2589-57-3]

A0566 25g 500g



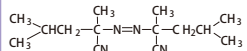
AIBN [78-67-1]

A1670 25g 500g



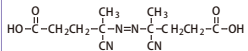
AMB N [13472-08-7]

A0680 25g 500g



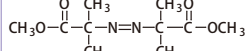
ADV N [4419-11-8]

A1671 25g 250g



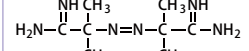
ACVA (contains ca. 20% Water) [2638-94-0]

D3797 25g



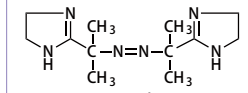
Dimethyl 2,2'-Azobis(2-methylpropionate) [2589-57-3]

A2735 25g



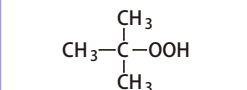
AAPH · 2HCl [2997-92-4]

A3012 25g 100g



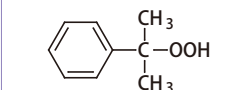
2,2'-Azobis[2-(2-imidazolin-2-yl)propane] Dihydrochloride [27776-21-2]

B3153 100g



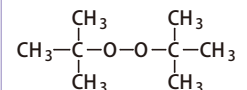
TBHP (70% in Water) [75-91-2]

C2223 100g



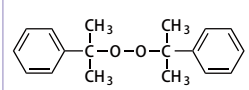
Cumene Hydroperoxide [80-15-9]

D3411 100mL



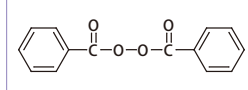
Di-tert-butyl Peroxide [110-05-4]

D4894 100g 500g



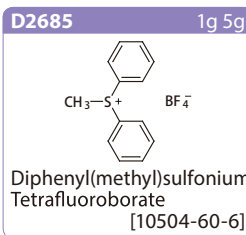
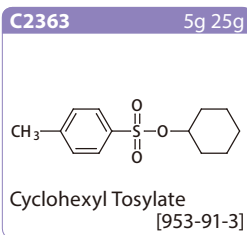
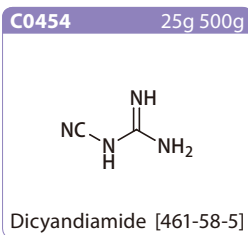
Dicumyl Peroxide (contains ca. 60% CaCO₃) [80-43-3]

B3152 25g



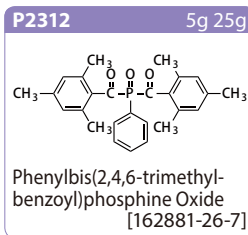
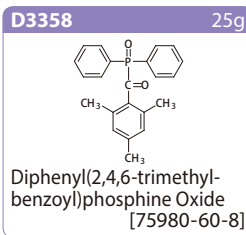
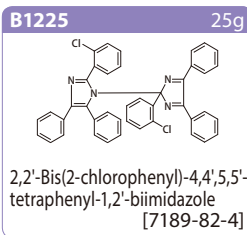
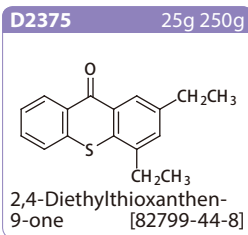
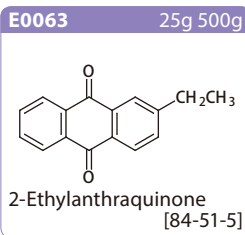
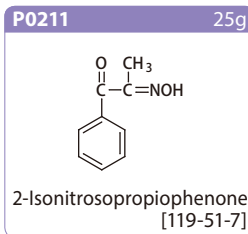
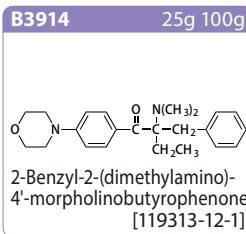
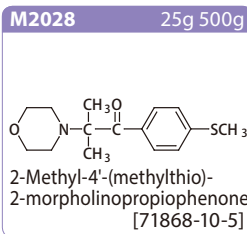
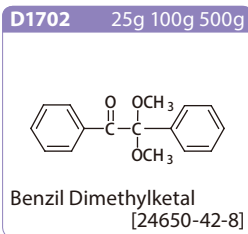
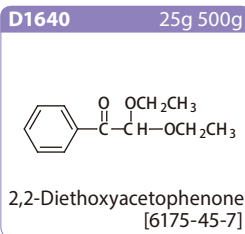
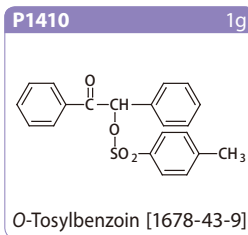
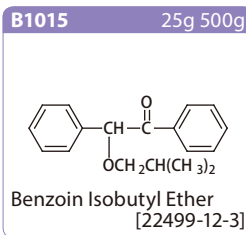
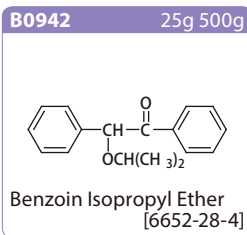
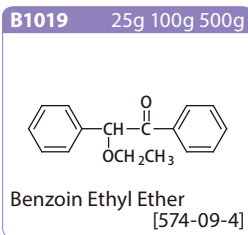
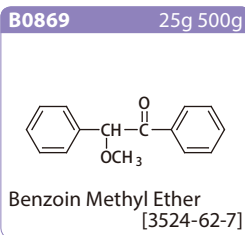
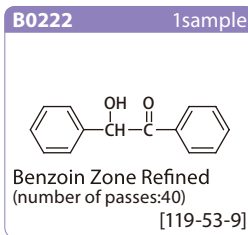
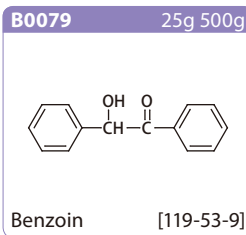
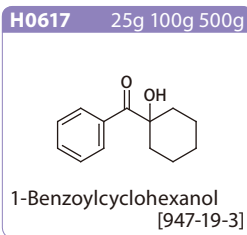
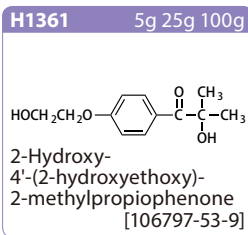
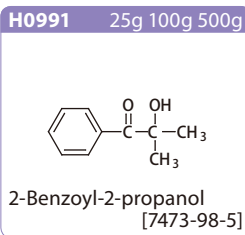
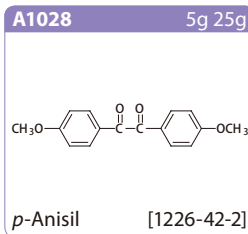
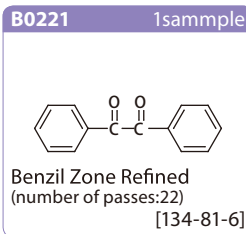
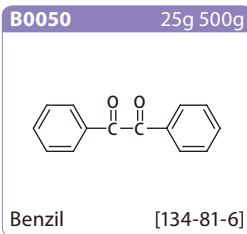
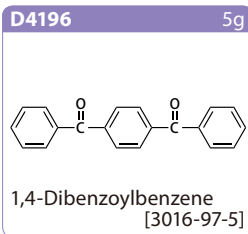
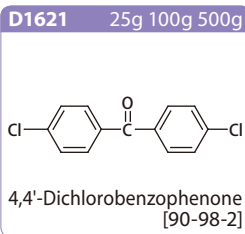
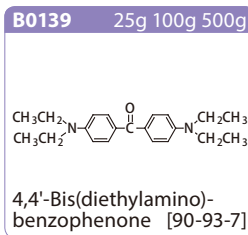
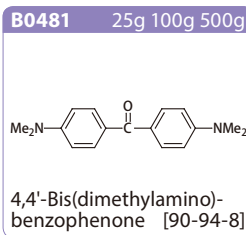
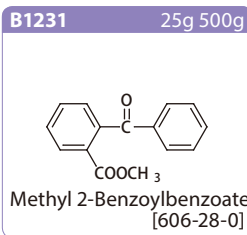
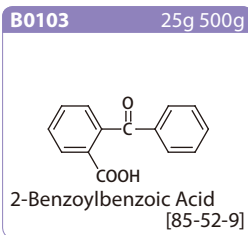
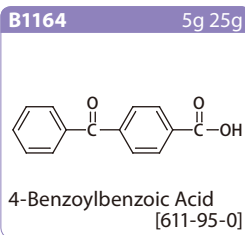
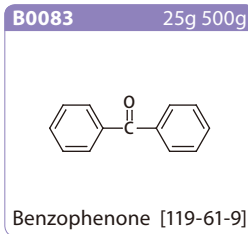
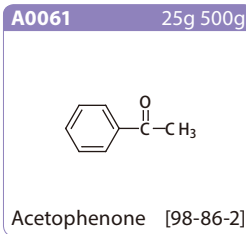
BPO (wetted with ca. 25% Water) [94-36-0]

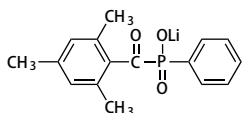
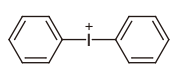
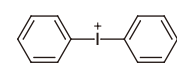
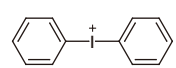
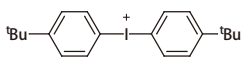
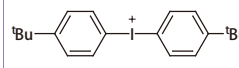
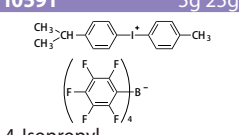
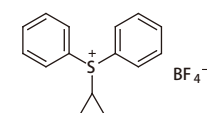
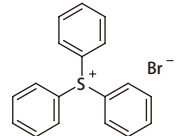
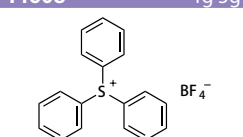
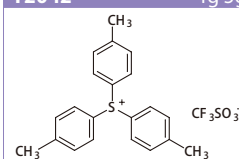
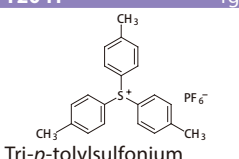
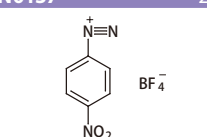
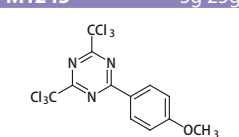
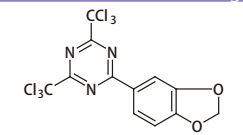
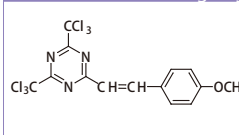
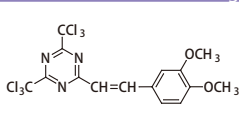
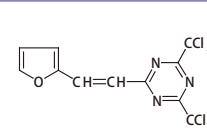
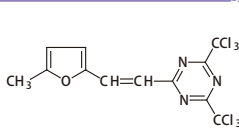
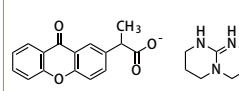
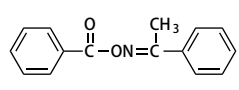
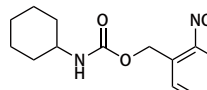
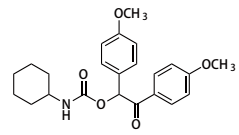
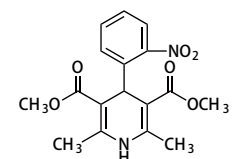
阳离子热
聚合引发剂
Thermal-Cationic
Initiators



光聚合引发剂
Photopolymerization
Initiators

自由基光
聚合引发剂
Photo-Radical
Initiators



<p>L0290 1g</p>  <p>Lithium Phenyl-(2,4,6-trimethylbenzoyl)-phosphinate [85073-19-4]</p>	<p>阳离子光聚合引发剂 Photo-Cationic Initiators</p>		<p>D2253 1g 5g 25g</p>  <p>Diphenyliodonium Trifluoromethanesulfonate [66003-76-7]</p>	<p>D2238 1g 5g 25g</p>  <p>Diphenyliodonium Hexafluorophosphate [58109-40-3]</p>	<p>D2248 1g</p>  <p>Diphenyliodonium Hexafluoroarsenate [62613-15-4]</p>	
<p>B2381 1g</p>  <p>Bis(4-tert-butylphenyl)iodonium Triflate [84563-54-2]</p>	<p>B2380 1g 5g</p>  <p>Bis(4-tert-butylphenyl)iodonium Hexafluorophosphate [61358-25-6]</p>	<p>I0591 5g 25g</p>  <p>4-Isopropyl-4'-methyl-diphenyliodonium Tetrakis(pentafluorophenyl)-borate [178233-72-2]</p>	<p>C1390 1g</p>  <p>Cyclopropyldiphenylsulfonium Tetrafluoroborate [33462-81-6]</p>	<p>T1609 100mg 1g 5g</p>  <p>Triphenylsulfonium Bromide [3353-89-7]</p>		
<p>T1608 1g 5g</p>  <p>Triphenylsulfonium Tetrafluoroborate [437-13-8]</p>	<p>T2042 1g 5g</p>  <p>Tri-p-tolylsulfonium Triflate [127820-38-6]</p>	<p>T2041 1g</p>  <p>Tri-p-tolylsulfonium Hexafluorophosphate [146062-15-9]</p>	<p>N0137 25g</p>  <p>4-Nitrobenzenediazonium Tetrafluoroborate [456-27-9]</p>	<p>M1245 5g 25g</p>  <p>2-(4-Methoxyphenyl)-4,6-bis(trichloromethyl)-1,3,5-triazine [3584-23-4]</p>		
<p>B3633 5g</p>  <p>2-(1,3-Benzodioxol-5-yl)-4,6-bis(trichloromethyl)-1,3,5-triazine [71255-78-2]</p>	<p>M2140 5g 25g</p>  <p>2-(4-Methoxystyryl)-4,6-bis(trichloromethyl)-1,3,5-triazine [42573-57-9]</p>	<p>D2963 5g</p>  <p>2-(3,4-Dimethoxystyryl)-4,6-bis(trichloromethyl)-1,3,5-triazine [42880-07-9]</p>	<p>F0362 5g</p>  <p>2-[2-(Furan-2-yl)vinyl]-4,6-bis(trichloromethyl)-1,3,5-triazine [154880-05-4]</p>	<p>M1209 5g</p>  <p>2-[2-(5-Methylfuran-2-yl)vinyl]-4,6-bis(trichloromethyl)-1,3,5-triazine [156360-76-8]</p>		
<p>阴离子光聚合引发剂 Photo-Anionic Initiators</p>		<p>O0396 1g</p>  <p>2-(9-Oxoxanthene-2-yl)propionic Acid 1,5,7-Triazabicyclo[4.4.0]dec-5-ene Salt [1346753-09-0]</p>	<p>A2502 1g 5g</p>  <p>Acetophenone O-Benzoyloxime [26060-56-0]</p>	<p>N1052 1g</p>  <p>2-Nitrobenzyl Cyclohexylcarbamate [119137-03-0]</p>	<p>B5085 200mg 1g</p>  <p>1,2-Bis(4-methoxyphenyl)-2-oxoethyl Cyclohexylcarbamate [196599-80-1]</p>	
<p>N0528 10g 25g</p>  <p>Nifedipine [21829-25-4]</p>						



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/zh/cn/