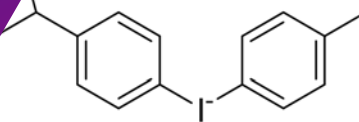
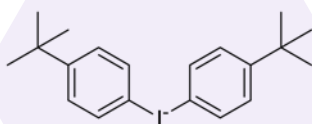
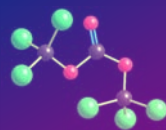


光引发剂



$B^-(C_6F_5)_4$



$B^-(C_6F_5)_4$

Seebio
Photoinitiator
Product

西宝生物光引发剂产品

西宝生物科技(上海)股份有限公司
Seebio Biotech (Shanghai) Co., Ltd.

西宝生物光引发剂产品列表

Seebio Photoinitiator Product List

西宝生物 提供广泛用途的自由基光引发剂、阳离子光引发剂/酸产生剂、非离子型光引发剂/酸产生剂等添加剂,主要用于表面改性聚合物膜、正色调光刻胶组分,光致抗蚀剂组合物、复合材料,包括基材和涂覆在基材表面上的涂层等的制备。

半导体光刻胶由树脂、光敏材料、溶剂和其他化学添加剂组成,光敏材料是真正“对光敏感”的化合物,最重要组成成分。半导体光刻胶用光敏材料主要分为光致产酸剂(Photoacid Generator,PAG)和感光化合物(Photoactive Compound, PAC)。PAG 一般为碘盐,硫盐,萘酰亚胺等高纯度化合物。PAC 一般为重氮萘醌酯化合物。

而传统的光引发剂是光固化体系(UV 胶,UV 涂料,UV 油墨)中的关键材料,由光引发剂、活性稀释剂、预聚体、助剂等原材料构成。光引发剂吸收光能后,产生能够引发聚合的活性碎片,引发交联固化。如,补牙材料即是光固化树脂,这类的材料基本上已经量产,并应用在日常生活中。

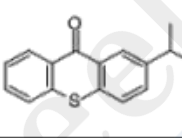
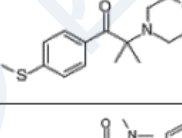
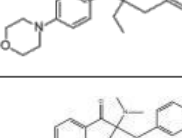
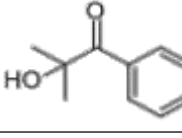
半导体光刻胶	13.5nm	EUV 光刻胶	树脂	分子玻璃,金属氧化物等不同体系
			溶剂	PGMEA
			感光成分	光致产酸剂
	193nm	ArF 光刻胶	树脂	聚酯环族丙烯酸酯及其共聚物
			溶剂	PGMEA 等
			感光成分	光致产酸剂(氟代喹盐为主)
	248nm	KrF 光刻胶	树脂	聚对羟基苯乙烯及其衍生物
			溶剂	PGMEA
			感光成分	光致产酸剂(硫酸碘喹盐和硫喹盐,萘酰二亚胺磺酸酯)
	436nm / 365nm	g/i 线光刻胶	树脂	酚醛树脂
			溶剂	PGMEA 等
			感光成分	DNQ, 光致产酸剂

【部分半导体光刻胶参考数据】

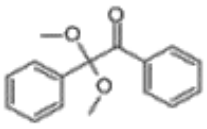
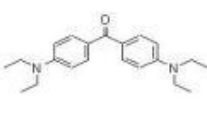
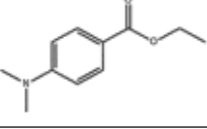
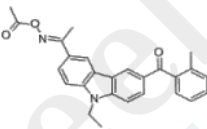
关键词:光致产酸剂/光敏剂/光引发剂; Photoacid Generator/ Photoactive Compound/ Photoinitiator (PAG/ PAC/ PI)

应用领域:电子化学,半导体化学,光刻胶,光致产生剂/光酸/ PAG,光固化,紫外光固化,3D/ 4D打印等等。

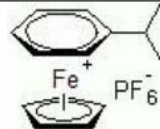
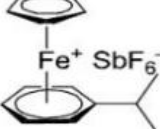
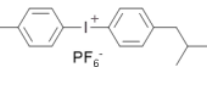
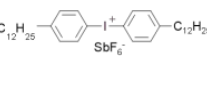
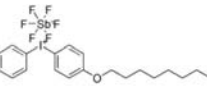
自由基型光引发剂 FREERADICAL PHOTOINITIATOR

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	外观 Appearance	纯度 Purity	吸收峰 (nm) Absorption Peak
AAU16174A	125051-32-3	双2,6-二氟-3-吡咯苯基二茂钛 Bis(eta.5-2,4-cyclopentadien-1-yl)-bis [2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]titanium		黄色-橙色粉末 Yellow-Orange powder	≥99%	333、396、470
AAU16175A	162881-26-7	苯基双(2,4,6-三甲基苯甲酰基)氧化膦 Bis(2,4,6-trimethylbenzoyl) phenylphosphine oxide		淡黄色粉末 Yellowish powder	≥99%	338、370、405
AAU16176A	75980-60-8	(2,4,6-三甲基苯甲酰基)二苯基氧化膦 2,4,6-Trimethyl benzoyldiphenyl phosphine oxide		淡黄色粉末 Yellowish powder	≥99%	295、368、380、400
AAU16177A	84434-11-7	2,4,6-三甲基苯甲酰基苯基膦酸乙酯 Ethyl(2,4,6-trimethylbenzoyl) phenylphosphinate		淡黄色透明液体 Yellowish liquid	≥98%	369
AAU16178A	5495-84-1	2-异丙基硫杂蒽酮 2-Isopropylthioxanthone		淡黄色粉末 Yellowish powder	≥99%	258、382
AAU16179A	82799-44-8	2,4-二乙基硫杂蒽酮 2,4-Diethylthioxanthone		淡黄色粉末 Yellowish powder	≥99%	261、385
AAU16180A	71868-10-5	2-甲基-1-(4-甲基苯基)-2-吗啉基-1-丙酮 2-Methyl-1-[4-(methylthio)phenyl]-2- morpholinopropane-1-one		白色粉末 White powder	≥99%	240、306
AAU16181A	119313-12-1	2-苄基-2-二甲氨基-1-(4-吗啉基)丁酮 2-Benzyl-2-dimethylamino-1- (4-morpholinophenyl)butanone		淡黄色粉末 Yellowish powder	≥99%	206、323
AAU16182A	119344-86-4	2-二甲氨基-2-(4-甲基)苄基-1-[4-(4-吗啉基)苯基]-1-丁酮 2-Dimethylamino-2-(4-methyl-benzyl)-1- (4-morpholin-4-yl-phenyl)-butan-1-one		淡黄色粉末 Yellowish powder	≥99%	233、320
AAU16183A	119-61-9	二苯甲酮 Benzophenone		白色片状固体 Whiteflakes	≥99.5%	256、330
AAU16184A	947-19-3	1-羟基环己基苯基甲酮 1-Hydroxy-Cyclohexyl Phenyl Ketone		白色粉末 White powder	≥99%	244、280、326
AAU16185A	7473-98-5	2-羟基-2-甲基苯基丙烷-1-酮 2-Hydroxy-2-methylpropiophenone		无色至淡黄色透明液体 Colorlessto pale yellowliquid	≥99%	244、278、322
AAU16186A	15206-55-0	苯甲酰甲酸甲酯 Methyl benzoylformate		淡黄色透明液体 Yellowish liquid	≥99%	255、325

自由基型光引发剂 FREERADICAL PHOTOINITIATOR

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	外观 Appearance	纯度 Purity	吸收峰 (nm) Absorption Peak
AAU16187A	24650-42-8	2,2-二甲氧基-2-苯基苯乙酮 2,2-Dimethoxy-2-phenylacetophenone		白色粉末 White powder	≥99%	220、255、325
AAU16188A	90-93-7	四乙基米氏酮 4,4'-Bis(diethylamino)benzophenone		黄色片状结晶 Yellow Flakes	≥98%	244、280、330
AAU16189A	10287-53-3	4-二甲氨基苯甲酸乙酯 Ethyl-4-(dimethylamino)benzoate		白色粉末 White powder	≥99%	228、308
AAU16190A	/	香豆素脲酯 Coumarin oximeester	/	白色粉末 White powder	≥98%	297
AAU16191A	478556-66-0	1-[9-乙基-6-(2-甲基苯甲酰基)-9H-吡啶-3-基]乙酮1-(O-乙酰肟) 1-[9-Ethyl-6-(2-methylbenzoyl)-9H-carbazol-3-yl]ethanone1-(O-acetyloxime)		白色粉末 White powder	≥99%	252、291、328

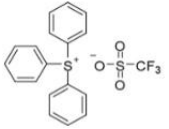
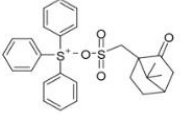
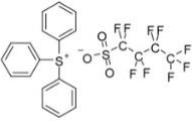
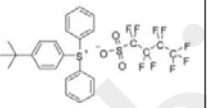
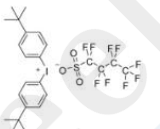
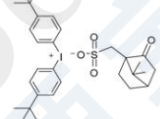
阳离子型光引发剂/光致产酸剂 CATIONIC PHOTOINITIATOR/ Photoacid Generators

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	外观 Appearance	纯度 Purity	吸收峰 (nm) Absorption Peak
AAU16192A	32760-80-8	异丙苯茂铁六氟磷酸盐 Cyclopentadienyliron(ii) hexa fluorophosphate		棕黄色粉末 Yellow-Brown powder	≥98%	300、390、450
AAU16193A	100011-37-8	异丙苯茂铁六氟锑酸盐 Cyclopentadienyliron(ii) hexa fluoroantimonate		棕黄色粉末 Yellow-Brown powder	≥98%	300、390、450
AAU16194A	344562-80-7	4-异丁基苯基-4'-甲基苯基碘六氟磷酸盐 4-Isobutylphenyl-4'-methylphenyliodonium hexafluorophosphate		淡黄色透明液体 Yellowish liquid	75%	243
AAU16195A	71786-70-4	双(4-十二烷基苯)碘六氟锑酸盐 Bis(4-dodecylphenyl)iodoniumhexafluoroantimonate		淡黄色透明液体 Yellowish liquid	50%	278
AAU16216A	121239-75-6	4-辛氧基二苯基碘六氟锑酸盐 4-Octyloxydiphenyliodoniumhexafluoroantimonate		白色粉末 White powder	≥99%	205、248

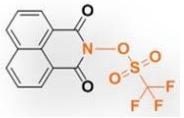
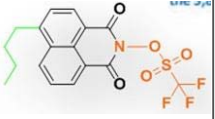
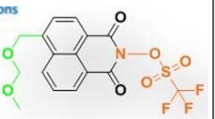
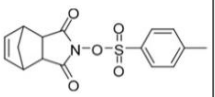
阳离子型光引发剂/光致产酸剂 CATIONIC PHOTOINITIATOR/ Photoacid Generators

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	外观 Appearance	纯度 Purity	吸收峰 (nm) Absorption Peak
AAU16196A	61358-25-6	双(4-叔丁基苯基)碘鎓六氟磷酸盐 Bis(4-tert-butylphenyl) iodoniumhexafluorophosphate		白色粉末 White powder	≥99%	265
AAU16217A	75482-18-7	4-(苯硫基)苯基二苯基硫六氟磷酸盐 Diphenyl[(phenylthio)phenyl]sulfonium hexafluorophosphate		白色晶体粉末 White crystalline powder	≥99%	292
AAU16218A	74227-35-3& 68156-13-8	混合硫鎓六氟磷酸盐 Mixed Sulfonium Hexafluorophosphate		淡黄色透明液体 Yellowish liquid	40%	245、296
AAU16219A	71449-78-0	二苯基-(4-苯基硫)苯基硫六氟锑酸盐 Diphenyl[(phenylthio)phenyl]sulfo nium hexafluoroantimonate		白色晶体粉末 White crystalline powder	≥99%	300
AAU16220A	89452-37-9	二[4-(二苯基硫苯基)硫醚]二六氟锑酸盐 Bis[4-(diphenylsulfonio)phenyl]sulfide bis(hexafluoroantimonate)		白色晶体粉末 White crystalline powder	≥99%	286、318
AAU16221A	71449-78-0& 89452-37-9	混合硫鎓六氟锑酸盐 Mixed Sulfonium Hexafluoroantimonate		淡黄色透明液体 Yellowish liquid	50%	248、312
AAU16222A	71449-78-0& 89452-37-9	混合硫鎓六氟锑酸盐 Mixed Sulfonium Hexafluoroantimonate		白色晶体粉末 White crystalline powder	99%	296
AAU16223A	60565-88-0	4,4'-二甲苯基碘鎓六氟磷酸盐 Bis(4-methylphenyl)iodonium hexafluorophosphate		白色粉末 White powder	≥98%	245
AAU16197A	42573-57-9	2,4-双(三氯甲基)-6-对甲氧基苯乙炔基-S-三嗪 2-[2-(4-Methoxyphenyl-2-yl)vinyl] -4,6-bis(trichloromethyl)1,3,5-triazine		黄色粉末 Yellow powder	≥98%	249、373
AAU16190A	/	(5-对甲苯磺酰氧亚胺-5H-噻吩-2-亚基)- (4-甲氧基苯基)-乙腈 p-methoxyphenylacetoneitrile, a-[5-[[p-toluene sulfonyl)oxy]imino]-2(5H)-thienylidene]		棕黄色粉末 Yellow-Brown powder	≥97%	270、430
AAU16199A	506426-96-6	5-(4-二苯胺苯基乙炔基)-苯乙基恶唑烷-2,4-二酮 2,4-Oxazolidinedione, 5-[[4- (diphenylamino)phenyl]methylene]- 3-(2-phenylethyl)-		黄色粉末 Yellow powder	≥99%	395

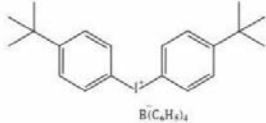
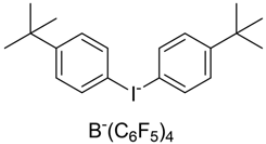
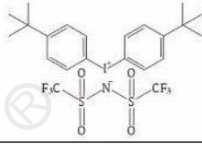
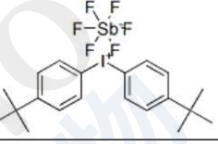
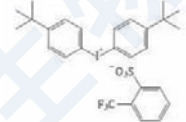
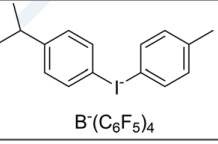
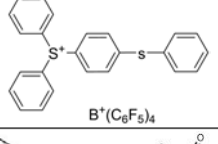
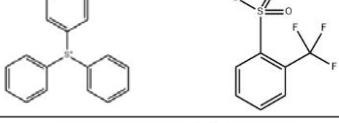
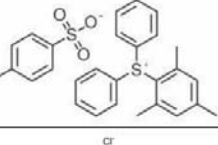
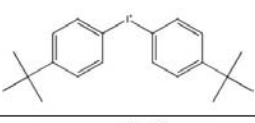
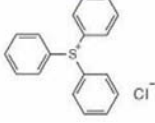
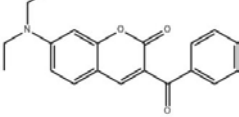
阳离子型光引发剂/光致产酸剂 CATIONIC PHOTOINITIATOR/ Photoacid Generators

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	外观 Appearance	纯度 Purity	吸收峰 (nm) Absorption Peak
AAU16224A	66003-78-9	三苯基硫与三氟甲磺酸的盐(1:1) Triphenylsulfonium triflate		/	≥99%	/
AAU16225A	227199-92-0	三苯基硫鎓樟脑磺酸盐 Triphenylsulfonium 10-camphorsulfonate		/	≥99%	/
AAU16226A	144317-44-2	全氟丁基磺酸三苯基硫盐 Triphenyl-sulfonium-1,1,2,2,3,3,4,4,4-nonafluoro-1-butane- sulfonate		/	≥99%	/
AAU16227A	258872-05-8	全氟丁基磺酸-二苯基-对叔丁基苯基硫盐 Sulfonium, [4-(1,1-dimethyl- ethyl)phenyl] diphenyl-, 1,1,2,2, 3,3,4,4,4- nonafluoro-1-butane- sulfonate (1:1)		/	≥99%	/
AAU16228A	194999-85-4	双(4-叔丁基苯基)碘鎓全氟-1-丁磺酸 Iodonium, bis[4-(1,1-dimethyl- ethyl) phenyl]-, 1,1,2,2,3,3,4,4,4- nonafluoro- 1-butan-sulfonate		/	≥99%	/
AAU16229A	193345-23-2	二(4-叔丁基苯基)碘鎓丙磺酸盐 Iodonium, bis[4-(1,1-dimethyl- ethyl) phenyl]-, 7,7-dimethyl- 2- oxobicyclo [2.2.1]heptane-1- methanesulfonate (1:1)		/	≥99%	/

非离子型光致产酸剂 Nonionic Photoacid Generators

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	外观 Appearance	纯度 Purity	吸收峰 (nm) Absorption Peak
AAU16171A	85342-62-7	N-羟基萘酰亚胺三氟甲磺酸酯 N-Hydroxynaphthalimide triflate		/	≥99%	368 nm
AAU16172A	1610827-31-0	6-丁基-N-羟基萘酰亚胺三氟甲磺酸 6-butyl-1,3-dioxo-1H-benzo[de]isoquinolin-2(3H)-yl trifluoromethanesulfonate		淡黄色透明液体 Light yellow transparent liquid	≥99%	345 nm
AAU16173A	2348470-19-7	6-(2-甲氧基乙氧基)-N-羟基萘酰亚胺三氟甲磺酸 6-(2-methoxyethoxy)-1,3-dioxo-1H- benzo [de]isoquinolin-2(3H)-yl trifluoromethanesulfonate		/	≥99%	/
AAU16230A	141714-82-1	3,3-(氧基双亚甲基)双((3-乙基)氧杂环丁烷) 3,3'-(Oxybis(methylene))bis[3-ethyltetrahydro-2H-pyran]		/	≥99%	/

其他定制化产品 CUSTOMISED Items

产品代码 Product Code	CAS No.	化学品名 Chemical Name	化学结构式 Chemical Structure	纯度 Purity
AAU16231A	131725-16-1	双(4-叔丁基苯基)碘鎓四苯基硼酸盐 Bis(4-t-butylphenyl)iodoniumtetrphenylborate		≥99%
AAU16232A	198641-40-6	双(4-叔丁基苯基)碘鎓四(五氟苯基)硼酸盐 Bis(p-tert-butylphenyl)iodonium tetrakis(pentafluorophenyl) borate		≥99%
AAU16233A	460731-32-2	双(4-叔丁基苯基)碘鎓双三氟甲烷磺酰亚胺盐 Bis-(4-tert-butylphenyl)-iodoniumbis(trifluoromethylsulfonyl)imide		≥99%
AAU16234A	61358-23-4	双(4-叔丁基苯基)碘六氟锑酸盐 Bis-(4-tert-butylphenyl)-iodonium hexafluoroantimonate		≥99%
AAU16235A	229325-98-8	双(4-叔丁基苯基)碘鎓2-三氟甲基苯磺酸盐 Di(4-tert-butylphenyl)iodonium2-(trifluoromethyl)benzenesulfonate		≥99%
AAU16236A	178233-72-2	4-异丙基-4'-甲基二苯基碘离子四(五氟苯基)硼酸盐 4-Isopropyl-4'-methyldiphenyliodonium Tetrakis(pentafluorophenyl) borate		≥99%
AAU16237A	203573-06-2	4-(苯硫基)苯基二苯基硫鎓四(五氟苯基)硼酸盐 Diphenyl[4-(phenylthio)phenyl]sulfonium tetrakis(pentafluorophenyl) borate		≥99%
AAU16238A	425670-97-9	三苯基硫鎓邻三氟苯磺酸盐 Triphenylsulfanium2-(trifluoromethyl)benzene-1- sulfonate		≥99%
AAU16239A	347841-51-4	二苯基-2,4,6-三甲基苯基磺对甲苯磺酸盐 Diphenyl- 2,4,6-trimethylphenylsulfoniumtosylate		≥99%
AAU16240A	5421-53-4	二(4-叔丁基苯基)氯化碘 Bis(4-tert-butylphenyl)iodoniumchloride		≥99%
AAU16241A	4270-70-6	三苯基氯化硫盐 Triphenylsulfoniumchloride		≥99%
AAU16242A	77016-78-5	3-苯甲酰基-7-(二乙氨基)-2H-1-苯并吡喃-2-酮 3-benzoyl-7-(diethylamino)chromen-2-one		≥99%

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