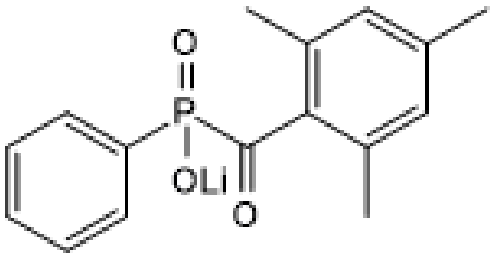
Product Data Sheet

Product Name: LAP
Cat. No.: GC50358

Chemical Properties

Cas. No.	85073-19-4		
SMILES	CC1=C(C(P(C2=CC=CC=C2)(O[Li])=O)=O)C(C)=CC(C)=C1		
Formula	$C_{16}H_{16}LiO_3P$	M.Wt	294.21
Solubility	DMSO : 25 mg/mL (84.97 mM; Need ultrasonic); H_2O : 7.58 mg/mL (25.76 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Photocrosslinker for hydrogels.

Fairbanks et al (2009) Photoinitiated polymerization of PEG-diacrylate with Li phenyl-2,4,6-trimethylbenzoylphosphinate: polymerization rate and cytocompatibility. Biomaterials 30 6702 PMID:19783300 |Valkevich et al (2012) Forging isopeptide bonds using thiol-ene chemistry: site-specific coupling of ubiquitin molecules for studying the activity of isopeptidases J.Am.Chem.Soc. 134 6916 PMID:22497214

Caution: Product has not been fully validated for medical applications. For research use only.
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