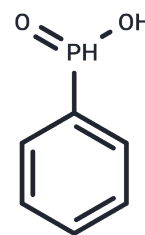


Phenylphosphinic acid

Chemical Properties

CAS No. :	1779-48-2
Formula:	C ₆ H ₇ O ₂ P
Molecular Weight:	142.09
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Phenylphosphinic acid (NSC-2670) is an additive used with Noyori's catalyst and improves the flame retardancy of poly(lactic acid). Phenylphosphinic acid can be used for oxidation of sulfides to sulfones.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (351.89 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0378 mL	35.189 mL	70.3779 mL
5 mM	1.4076 mL	7.0378 mL	14.0756 mL
10 mM	0.7038 mL	3.5189 mL	7.0378 mL
50 mM	0.1408 mL	0.7038 mL	1.4076 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zhang M, et al. Improving the flame retardancy of poly(lactic acid) using an efficient ternary hybrid flame retardant by dual modification of graphene oxide with phenylphosphinic acid and nano MOFs. J Hazard Mater.

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