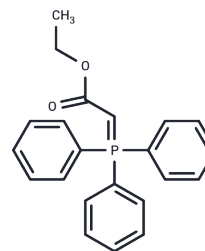


Ethyl (triphenylphosphoranylidene) acetate

Chemical Properties

CAS No. :	1099-45-2
Formula:	C ₂₂ H ₂₁ O ₂ P
Molecular Weight:	348.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ethyl (triphenylphosphoranylidene) acetate ((Carbethoxymethylene) triphenylphosphorane) may act as a cholinesterase inhibitor that inhibits AChE and BChE.
Targets(IC50)	AChR, Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 55 mg/mL (157.88 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8705 mL	14.3526 mL	28.7051 mL
5 mM	0.5741 mL	2.8705 mL	5.741 mL
10 mM	0.2871 mL	1.4353 mL	2.8705 mL
50 mM	0.0574 mL	0.2871 mL	0.5741 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Deng QH, Wadepohl H, Gade LH. The synthesis of a new class of chiral pincer ligands and their applications in enantioselective catalytic fluorinations and the Nozaki-Hiyama-Kishi reaction. Chemistry. 2011 Dec 23;17(52):14922-8.

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