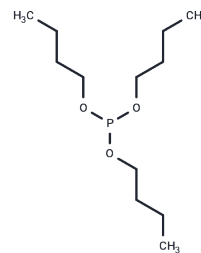


Tributyl phosphite

Chemical Properties

CAS No. :	102-85-2
Formula:	C ₁₂ H ₂₇ O ₃ P
Molecular Weight:	250.31
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	Tributyl phosphite is an alkyl phosphite. It is reported to inhibit carboxylesterase activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.995 mL	19.9752 mL	39.9505 mL
5 mM	0.799 mL	3.995 mL	7.9901 mL
10 mM	0.3995 mL	1.9975 mL	3.995 mL
50 mM	0.0799 mL	0.3995 mL	0.799 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

Gao F, Furlong O, Kotvis PV, Tysoe WT. Reaction of tributyl phosphite with oxidized iron: surface and tribological chemistry. *Langmuir*. 2004 Aug 31;20(18):7557-68. PubMed PMID: 15323502.

Groenewold GS, Ingram JC, Delmore JE, Appelhans AD. Static secondary ionization mass spectrometry analysis of tributyl phosphate on mineral surfaces: Effect of Fe(II). *J Am Soc Mass Spectrom*. 1995 Mar;6(3):165-74. doi: 10.1016/1044-0305(94)00125-J. PubMed PMID: 24214114.

Saboori AM, Lang DM, Newcombe DS. Structural requirements for the inhibition of human monocyte carboxylesterase by organophosphorus compounds. *Chem Biol Interact*. 1991;80(3):327-38. PubMed PMID: 1954660.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481