

Tri(2-butoxyethyl) phosphate

Chemical Properties

CAS No. : 78-51-3

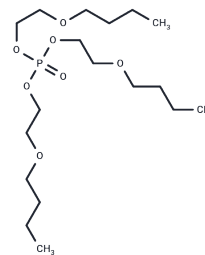
Formula: C₁₈H₃₉O₇P

Molecular Weight: 398.47

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tri(2-butoxyethyl) phosphate (Phosflex T-bep), a plastic plasticizer and flame retardant, is an organophosphate derived from milk powder.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8 mg/mL (20.08 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	2.5096 mL	12.548 mL	25.096 mL
5 mM	0.5019 mL	2.5096 mL	5.0192 mL
10 mM	0.251 mL	1.2548 mL	2.5096 mL
50 mM	0.0502 mL	0.251 mL	0.5019 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

Guo X, et al. Ultra-performance liquid chromatography tandem mass spectrometry for the rapid simultaneous analysis of nine organophosphate esters in milk powder. Food Chem. 2016 Apr 1;196:673-81.

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