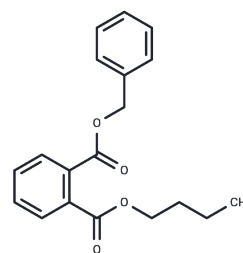


Benzyl butyl phthalate

Chemical Properties

CAS No. :	85-68-7
Formula:	C ₁₉ H ₂₀ O ₄
Molecular Weight:	312.36
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	Benzyl butyl phthalate (1,2-benzenedicarboxylic acid) is used as a plasticizer for PVC.
Targets(IC50)	Aryl Hydrocarbon Receptor

Solubility Information

Solubility	DMSO: 35 mg/mL (112.05 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	3.2014 mL	16.0072 mL	32.0143 mL
5 mM	0.6403 mL	3.2014 mL	6.4029 mL
10 mM	0.3201 mL	1.6007 mL	3.2014 mL
50 mM	0.064 mL	0.3201 mL	0.6403 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

Tsai CF, et al. BMC Y. 2014 Aug 1;14:556.

Xu T, Gilliam M, Sayler G, et al. Screening for androgen agonists using autonomously bioluminescent HEK293 reporter cells. BioTechniques. 2021 (0).

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