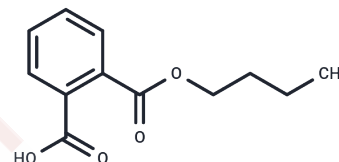


Monobutyl Phthalate

Chemical Properties

CAS No. : 131-70-4
Formula: C₁₂H₁₄O₄
Molecular Weight: 222.24
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Monobutyl phthalate, the main metabolite of dibutyl phthalate, is an embryotoxin with antiandrogenic properties.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (449.96 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	4.4996 mL	22.4982 mL	44.9964 mL
5 mM	0.8999 mL	4.4996 mL	8.9993 mL
10 mM	0.450 mL	2.2498 mL	4.4996 mL
50 mM	0.090 mL	0.450 mL	0.8999 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

Hu Y, et al. J Endocrinol Invest. 2015 Apr 23.
Shen O, et al. Comparison of in vitro hormone activities of selected phthalates using reporter gene assays. Toxicol Lett. 2009 Dec 1;191(1):9-14.

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