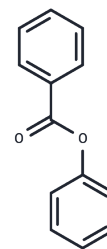


Phenyl benzoate

Chemical Properties

CAS No. :	93-99-2
Formula:	C ₁₃ H ₁₀ O ₂
Molecular Weight:	198.22
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	Phenyl benzoate, a benzoate ester, is obtained by the formal condensation of phenol with benzoic acid. It serves as an important intermediate in organic synthesis.
Targets(IC50)	Others,Chloride channel
In vitro	Phenyl benzoate. The neuropharmacological evaluation of the compound indicated significant (p<0.05) depression of the central nervous system. The binding characteristics of the compound to gamma amino butyric acid A receptors appears to be more favorable than those obtained for gamma amino butyric acid, chlorpromazine, benzamidine, and is comparable with the affinity obtained for pentobarbitone and diazepam.

Solubility Information

Solubility	DMSO: 50 mg/mL (252.24 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	5.0449 mL	25.2245 mL	50.449 mL
5 mM	1.009 mL	5.0449 mL	10.0898 mL
10 mM	0.5045 mL	2.5224 mL	5.0449 mL
50 mM	0.1009 mL	0.5045 mL	1.009 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

Taiwo B J , Osasan J Y , Olubiyi O O , et al. ISOLATION OF NOVEL PARA-PENTYL PHENYL BENZOATE FROM MONDIA WHITEI.(HOOK.F.) SKEELS (PERIPLOCACEAE), ITS STRUCTURE, SYNTHESIS AND NEUROPHARMACOLOGICAL EVALUATION[J]. African Journal of Traditional Complementary and Alternative Medicines, 2016, 14(1):219-230.

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