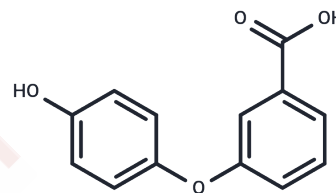


(4'-Hydroxy)phenoxybenzoic Acid

Chemical Properties

CAS No. :	35065-12-4
Formula:	C ₁₃ H ₁₀ O ₄
Molecular Weight:	230.2161
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	(4'-Hydroxy)phenoxybenzoic acid is a pyrethroid insecticide metabolite.1,2
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (43.44 mM),Sonication is recommended. Ethanol: 5 mg/mL (21.72 mM),Sonication is recommended. DMF:PBS (pH 7.2) (1:5): 0.16 mg/mL (0.69 mM),Sonication is recommended. DMF: 15 mg/mL (65.16 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	4.3437 mL	21.7184 mL	43.4367 mL
5 mM	0.8687 mL	4.3437 mL	8.6873 mL
10 mM	0.4344 mL	2.1718 mL	4.3437 mL
50 mM	0.0869 mL	0.4344 mL	0.8687 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

Akhtar, M.H., Mahadevan, S., and Russell, F. Cleavage of 3-phenoxybenzoic acid by chicken microsomal preparations. *J. Environ. Sci. Health B.* 28(5)527-543(1993)

Maloney, S.E., Maule, A., and Smith, A.R. Microbial transformation of the pyrethroid insecticides: Permethrin, deltamethrin, fastac, fenvalerate, and fluvalinate. *Appl. Environ. Microbiol.* 54(11)2874-2876(1988)

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