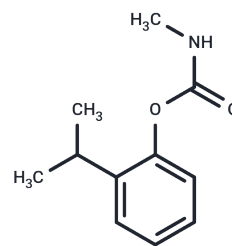


Isoprocarb

Chemical Properties

CAS No. :	2631-40-5
Formula:	C ₁₁ H ₁₅ NO ₂
Molecular Weight:	193.24
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	Isoprocarb is a metabolite of the pesticide.
Targets(IC50)	Others,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1749 mL	25.8746 mL	51.7491 mL
5 mM	1.035 mL	5.1749 mL	10.3498 mL
10 mM	0.5175 mL	2.5875 mL	5.1749 mL
50 mM	0.1035 mL	0.5175 mL	1.035 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

- Yang T, Ma C, Chen H, Zhang Y, Dang X, Huang J. A molecularly imprinted organic-inorganic hybrid monolithic column for the selective extraction and HPLC determination of isoprocarb residues in rice. *J Sep Sci.* 2014 Mar;37(5):587-94. doi: 10.1002/jssc.201301227. Epub 2014 Jan 25. PubMed PMID: 24376214.
- Hsu CH, Hu CC, Chiu TC. Analysis of carbofuran, carbosulfan, isoprocarb, 3-hydroxycarbofuran, and 3-ketocarbofuran by micellar electrokinetic chromatography. *J Sep Sci.* 2012 Jun;35(10-11):1359-64. doi: 10.1002/jssc.201101108. PubMed PMID: 22733517.
- Sun C, Zhang H, Tang T, Qian M, Yuan Y, Zhang Z. Comparison of greenhouse and field degradation behaviour of isoprocarb, hexaflumuron and difenoconazole in *Perilla frutescens*. *Bull Environ Contam Toxicol.* 2012 Oct;89(4):868-72. doi: 10.1007/s00128-012-0765-x. Epub 2012 Aug 8. PubMed PMID: 22872377.
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