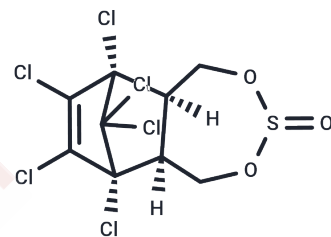


Endosulfan I

Chemical Properties

CAS No. :	959-98-8
Formula:	C ₉ H ₆ Cl ₆ O ₃ S
Molecular Weight:	406.93
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	Endosulfan I is one of the two major stereoisomers of the broad-spectrum insecticide Endosulfan, exhibiting inhibitory activity against the GABA/benzodiazepine/picrotoxin complex (IC ₅₀ = 30 nM) and disrupting zebrafish embryonic development.
Targets(IC ₅₀)	GABA Receptor

Solubility Information

Solubility	Chloroform: 1 mg/mL (2.46 mM), Sonication is recommended. Methanol: 1 mg/mL (2.46 mM), Sonication is recommended. DMSO: 1 mg/mL (2.46 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	2.4574 mL	12.2871 mL	24.5743 mL
5 mM	0.4915 mL	2.4574 mL	4.9149 mL
10 mM	0.2457 mL	1.2287 mL	2.4574 mL
50 mM	0.0491 mL	0.2457 mL	0.4915 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

Shamma, S., Dawood, M. et al. A comprehensive analysis of organochlorine pesticides in Egyptian waters: distribution, ecological impacts, and health risks. *Appl Water Sci* 15, 157 (2025).

Kardani F, et al. Determination of 229 pesticides residue in edible oil samples using conventional quechers method and solid phase microextraction based on monolithic molecularly imprinted polymer fiber and analysis with GC-MS. *BMC Chem.* 2025 May 24;19(1):144.

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