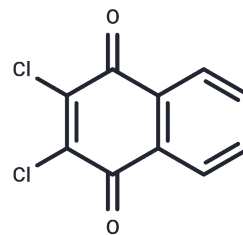


Diclone

Chemical Properties

CAS No. :	117-80-6
Formula:	C ₁₀ H ₄ Cl ₂ O ₂
Molecular Weight:	227.04
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	2, 3-Dichloro-1, 4-naphthoquinone is an inhibitor of Itch, a HECT domain-E3 ligase. It is also used in pesticide formulations.
Targets(IC50)	Others,Antifungal

Solubility Information

Solubility	DMSO: 22.5 mg/mL (99.1 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	4.4045 mL	22.0226 mL	44.0451 mL
5 mM	0.8809 mL	4.4045 mL	8.809 mL
10 mM	0.4405 mL	2.2023 mL	4.4045 mL
50 mM	0.0881 mL	0.4405 mL	0.8809 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

Liu Y M, et al. 1,4-Naphthoquinones as inhibitors of Itch, a HECT domain-E3 ligase, and tumor growth suppressors in multiple myeloma.[J]. European Journal of Medicinal Chemistry, 2017, 140:84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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