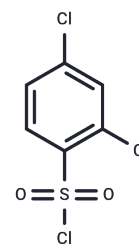


2,4-Dichlorobenzenesulfonyl chloride

Chemical Properties

CAS No. :	16271-33-3
Formula:	C ₆ H ₃ Cl ₂ O ₂ S
Molecular Weight:	245.51
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	2,4-Dichlorobenzenesulfonyl chloride is a heterocyclic building block. It has been used in the synthesis of nicotinyl arylsulfonylhydrazides that have anticancer and antibacterial activities in vitro.
Targets(IC50)	Others, Antibacterial

Solubility Information

Solubility	Ethanol: PBS (pH 7.2) (1:4): 0.2 mg/mL (0.81 mM), Sonication is recommended. Ethanol: 25 mg/mL (101.83 mM), Sonication is recommended. DMF: 15 mg/mL (61.1 mM), Sonication is recommended. DMSO: 10 mg/mL (40.73 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	4.0732 mL	20.3658 mL	40.7315 mL
5 mM	0.8146 mL	4.0732 mL	8.1463 mL
10 mM	0.4073 mL	2.0366 mL	4.0732 mL
50 mM	0.0815 mL	0.4073 mL	0.8146 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

Kamal, A., Khan, M.N.A., Reddy, K.S., et al. Synthesis of a new class of 2-anilino substituted nicotinyl arylsulfonylhydrazides as potential anticancer and antibacterial agents. *Bioorg. Med. Chem.* 15(2)1004-1013(2007)

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