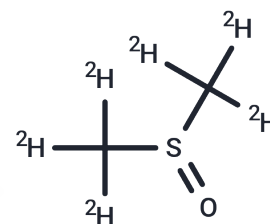


Dimethyl-D6 Sulfoxide

Chemical Properties

CAS No. :	2206-27-1
Formula:	C2D6OS
Molecular Weight:	84.17
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dimethyl-D6 Sulfoxide is a form in which hydrogen ("H") of dimethyl sulfoxide (TMSM-4368) ((CH ₃) ₂ S = O) is replaced by another isotope deuterium ("d"). Dimethyl-D6 Sulfoxide is a common solvent in nuclear magnetic resonance spectroscopy.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (653.44 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	11.8807 mL	59.4036 mL	118.8072 mL
5 mM	2.3761 mL	11.8807 mL	23.7614 mL
10 mM	1.1881 mL	5.9404 mL	11.8807 mL
50 mM	0.2376 mL	1.1881 mL	2.3761 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

1. Dreele P V , Rae I D , Scheraga H A . Nuclear magnetic resonance study of fibrinogen-like peptides and their structure in dimethyl sulfoxide and water.[J]. Biochemistry, 1978, 17(6):956-62.
2. Mammi N J , Goodman M . Conformational analysis of cyclic partially modified retro-inverso enkephalin analogues by proton NMR.[J]. Biochemistry, 1986, 25(23):7607-7614.

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