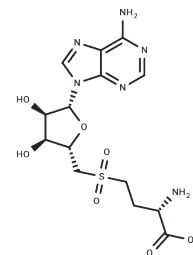


SAHO2

Chemical Properties

CAS No. :	53199-56-7
Formula:	C ₁₄ H ₂₀ N ₆ O ₇ S
Molecular Weight:	416.41
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	SAHO2 is a sulfone form of the methyl donor S-(5'-adenosyl)-L-methionine chloride and is a substrate for radical SAM enzymes. It is reductively cleaved to 5'-deoxyadenosine and 5'-thioadenosine sulfinic acid by the radical SAM enzymes NosL or NosN.
Targets(IC50)	Others, Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 30 mg/mL (72.04 mM), Sonication is recommended. PBS (pH 7.2): 10 mg/mL (24.01 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	2.4015 mL	12.0074 mL	24.0148 mL
5 mM	0.4803 mL	2.4015 mL	4.803 mL
10 mM	0.2401 mL	1.2007 mL	2.4015 mL
50 mM	0.048 mL	0.2401 mL	0.4803 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

Mandalapu, D., Ji, X., and Zhang, Q. Reductive cleavage of sulfoxide and sulfone by two radical S-adenosyl-L-methionine enzymes *Biochemistry* 58(1)36-39(2019)

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