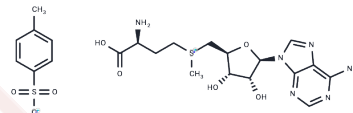


S-(5'-Adenosyl)-L-methionine tosylate

Chemical Properties

CAS No. :	52248-03-0
Formula:	C ₂₂ H ₃₀ N ₆ O ₈ S ₂
Molecular Weight:	570.64
Appearance:	no data available
Storage:	store at low temperature, keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	S-(5'-Adenosyl)-L-methionine tosylate (SAME) is a ubiquitous methyl donor involved in a wide variety of biological reactions, including those mediated by DNA and protein methyltransferases [1]. S-(5'-Adenosyl)-L-methionine tosylate (SAME) is a stable salt of SAM that is included in nutritional supplements for oral use [2]. S-(5'-Adenosyl)-L-methionine tosylate (SAME) reportedly ameliorates depression, pain associated with osteoarthritis and fibromyalgia, and liver toxicity [3].
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 100 mg/mL (175.24 mM), Sonication is recommended. DMSO: 45 mg/mL (78.86 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	1.7524 mL	8.7621 mL	17.5242 mL
5 mM	0.3505 mL	1.7524 mL	3.5048 mL
10 mM	0.1752 mL	0.8762 mL	1.7524 mL
50 mM	0.035 mL	0.1752 mL	0.3505 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.

Reference

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- Najm W I, Sibylle R, Fred H, et al. S-Adenosyl methionine (S-AdoMet) versus celecoxib for the treatment of osteoarthritis symptoms: A double-blind cross-over trial. [ISRCTN36233495][J]. BMC Musculoskeletal Disorders, 2004, 5(1):6.
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Tel: 781-999-4286 E-mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481