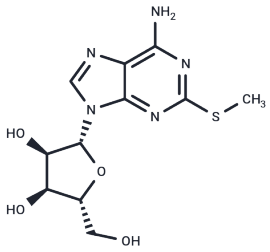
Data Sheet (Cat.No.TNU0255)

TargetMol

2-Methylthioadenosine

Chemical Properties



CAS No. : 4105-39-9

Formula: C11H15N5O4S

Molecular Weight: 313.33

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-Methylthioadenosine is a purine nucleoside analog with affinity for adenosine receptors, suitable for biochemical experiments and drug synthesis studies.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: 20 mg/mL (63.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1915 mL	15.9576 mL	31.9152 mL
5 mM	0.6383 mL	3.1915 mL	6.383 mL
10 mM	0.3192 mL	1.5958 mL	3.1915 mL
50 mM	0.0638 mL	0.3192 mL	0.6383 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

Liston TE, et al. Nucleotide P2Y1 receptor agonists are in vitro and in vivo prodrugs of A1/A3 adenosine receptor agonists: implications for roles of P2Y1 and A1/A3 receptors in physiology and pathology. Purinergic Signal. 2020; 16(4):543-559.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481