

## S-adenosylmethionine

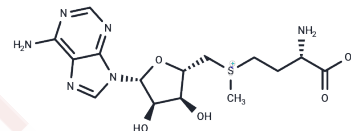
## Chemical Properties

CAS No. : 485-80-3

Formula: C<sub>15</sub>H<sub>23</sub>N<sub>6</sub>O<sub>5</sub>S

Molecular Weight: 399.45

Storage: Store at low temperature, Keep away from moisture,  
Keep away from direct sunlight  
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	S-adenosylmethionine is a precursor of taurine and cysteine, acting through methylation, sulphuration, and peptide synthesis. It promotes the formation of the MetJ-DNA complex, a transcription repressor of methionine in E. coli.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5034 mL	12.5172 mL	25.0344 mL
5 mM	0.5007 mL	2.5034 mL	5.0069 mL
10 mM	0.2503 mL	1.2517 mL	2.5034 mL
50 mM	0.0501 mL	0.2503 mL	0.5007 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

Zhang L, et al. Quantification of five intracellular and extracellular methionine pathway intermediates using stable isotope dilution UHPLC-MS/MS. J Chromatogr A. 2025 Aug 16;1755:466036.

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