

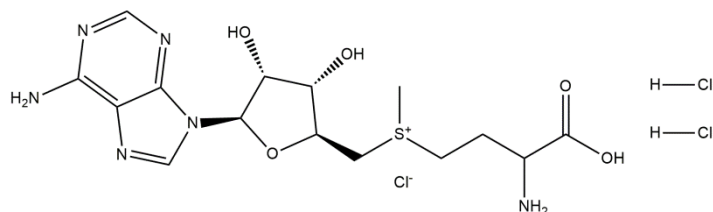
S-(5'-Adenosyl)-L-methionine chloride (dihydrochloride)

6/19

ALTERNATE NAMES: AdoMet SAM, chloride dihydrochloride, S-(5'-Adenosyl)-L-methionine chloride dihydrochloride, (3-Amino-3-carboxypropyl)((2S,3S,4R,5R)-5-(6-amino-9H-purin-9-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methyl(methyl)sulfonium chloride dihydrochloride, 5'-[[[(3S)-3-amino-3-carboxypropyl]methylsulfonio]-5'-deoxy-adenosine, chloride dihydrochloride, (3-amino-3-carboxypropyl)-[[[(2S,3S,4R,5R)-5-(6-aminopurin-9-yl)-3,4-dihydroxyoxolan-2-yl]methyl]-methylsulfanium;chloride;dihydrochloride

CATALOG #: B2826-5 5 mg
 B2826-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₂₅Cl₃N₆O₅S

MOLECULAR WEIGHT: 507.82

CAS NUMBER: 86867-01-8

APPEARANCE: Lyophilized powder

PURITY: ≥95%

SOLUBILITY: 1 mg/ml in methanol
 5 mg/ml in Water

DESCRIPTION: SAM is a ubiquitous methyl donor. It is a cofactor for methyl transferases such as catechol O-methyltransferase (COMT) and DNA methyltransferase. Most of it is present in the liver, where 85% of all methylation reactions occur. It shows hepatoprotective effects in cultured hepatocytes and mouse models.

STORAGE TEMPERATURE: -80°C. Unstable at 25°C.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

β-Nicotinamide adenine dinucleotide sodium salt (Cat. No. 9457)
 S-Adenosyl-L-methionine disulfate tosylate (Cat. No. 2077)
 L-Ascorbic acid (Cat. No. 2269)
 S-Adenosylhomocysteine (SAH) ELISA Kit (Cat. No. E4542)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*