

Product datasheet

SAM e (S-(5-Adenosyl)-L-methionine disulfate tosylate), Methyl donor ab142221

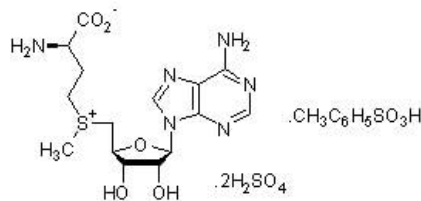
[3 References](#) [1 Image](#)

Overview

Product name	SAM e (S-(5-Adenosyl)-L-methionine disulfate tosylate), Methyl donor
Description	Methyl donor and cofactor for enzyme-catalyzed methylations
Purity	> 95%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 2077 S-Adenosyl-L-methionine disulfate tosylate. 2077-100 is the same size as the 100 mg size of ab142221.

CAS Number 97540-22-2

Chemical structure



Properties

Chemical name	[(3S)-3-Amino-3-carboxypropyl]-[[[(2S,3S,4R,5R)-5-(6-aminopurin-9-yl)-3, 4-dihydroxyoxolan-2-yl]methyl]methylsulfanium disulfate tosylate
Molecular weight	766.78
Molecular formula	C ₁₅ H ₂₂ N ₆ O ₅ S.C ₇ H ₈ O ₃ S.2H ₂ SO ₄
PubChem identifier	163657
Storage instructions	Shipped at 4°C. Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

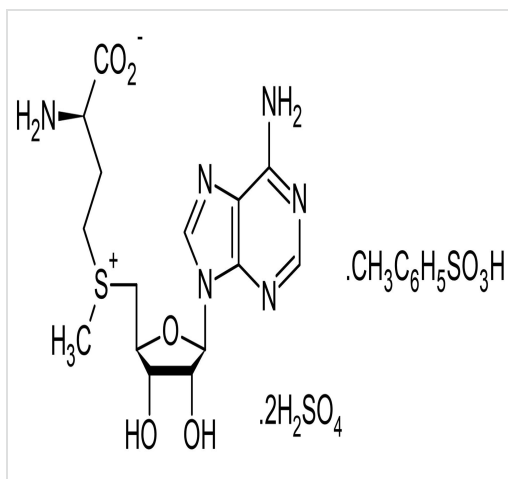
SMILES

CC1=CC=C(C=C1)S(=O)(=O)[O-].C[S+](CCC(C(=O)O)N)CC1C(C(C(O1)N2C=NC3=C2N=CN=C3N)O)O.OS(=O)(=O)[O-].[O-]S(=O)(=O)[O-]

Source

Synthetic

Images



2D chemical structure image of ab142221, SAM e (S-(5-Adenosyl)-L-methionine disulfate tosylate), Methyl donor

Chemical Structure - SAM e (S-(5-Adenosyl)-L-methionine disulfate tosylate), Methyl donor (ab142221)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors

- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team