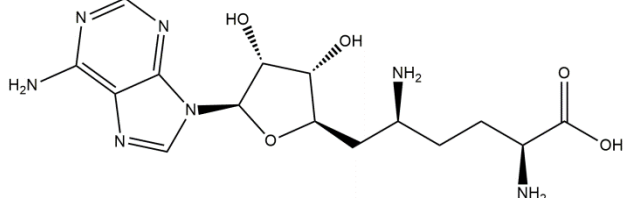


Sinefungin

6/19

ALTERNATE NAMES: ADENOSYL-ORNITHINE, (2S,5S)-2,5-diamino-6-[(2R,3S,4R,5R)-5-(6-aminopurin-9-yl)-3,4-dihydroxyoxolan-2-yl]hexanoic acid, Decofuranuronic acid, 6,9-diamino-1-(6-amino-9H-purin-9-yl)-1,5,6,7,8,9-hexadeoxy-, (5S)-5-amino-6-[(2R,3S,4R,5R)-5-(6-amino-9H-purin-9-yl)-3,4-dihydroxytetrahydrofuran-2-yl]-L-norleucine, D-glycero- α -L-talo-Decofuranuronic acid, 6,9-diamino-1-(6-amino-9H-purin-9-yl)-1,5,6,7,8,9-hexadeoxy-, A 9145, Antibiotic A 9145, Antibiotic 32232RP, RP 32232

STRUCTURE:



CATALOG #: B2824-500 500 μ g
 B2824-1000 1000 μ g

MOLECULAR FORMULA: C₁₅H₂₃N₇O₅

MOLECULAR WEIGHT: 381.39

CAS NUMBER: 58944-73-3

APPEARANCE: Solid

PURITY: \geq 95%

SOLUBILITY: ~20 mg/ml in Water

DESCRIPTION: Sinefungin is a natural nucleoside and a structural analog of S-adenosylmethionine (SAM). It inhibits SAM-dependent nucleic acid methyltransferases and exhibits antifungal, antiviral, and antiprotozoal properties. It is a non-selective inhibitor of SET domain-containing methyltransferases and is a pan-protein arginine N-methyltransferases (PRMT) inhibitor.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

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

RELATED PRODUCTS:

PRMT4/CARM1 Inhibitor (Cat. No. B2808)
 5'-Deoxy-5'-methylthioadenosine (Cat. No. B1053)
 EZSolution™ RG-108, Sterile-filtered (Cat. No. B2238)
 S-Adenosyl-L-methionine disulfate tosylate (Cat. No. 2077)
 DiscoveryPak™ Epigenetic Modulators Set III (Cat. No. S220)

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