

Catalog	Unit
TBI2454 - 1MG	1 mg

Product Details

Formal Name: 5'-Deoxy-5'-(1,4-diamino-4-carboxybutyl)adenosine

Alternate Names: A-9145, Adenosylornithine, Antibiotic 32232RP

Molecular Formula: C₁₅H₂₃N₇O₅

Formula Weight: 381.39

CAS Number: 58944-73-3

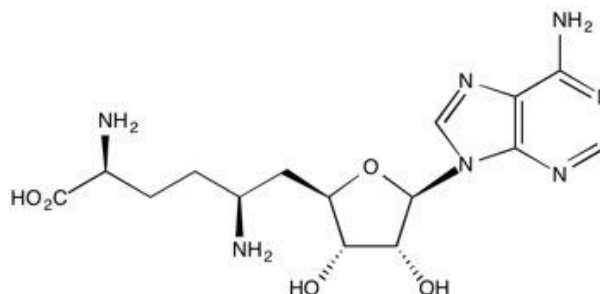
Purity: >98%

Formulation: Powder

Solubility: Soluble in Water (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Methyltransferase inhibitor

Functions

Sinefungin (58944-73-3) is a nucleoside S-adenosyl-1-methionine analog. Potent, competitive methyltransferase (protein, DNA, and RNA methyltransferases) inhibitor. IC₅₀ < 1.0 and 2.5 μM for PRMT1 and SET7/9, respectively. Sinefungin binds with greater affinity to the adenine-specific DNA methyltransferase M.TaqI than S-adenosyl-L-homocysteine. Inhibits biofilm formation by *Streptococcus pneumoniae*.

Application Procedures

Dissolved in water (up to 20 mg/ml). Solutions in distilled water may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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