

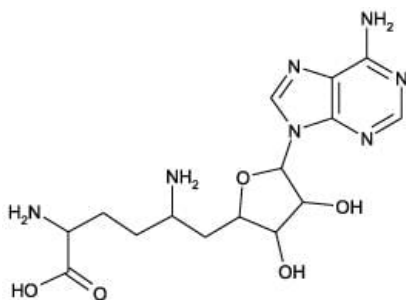
Product datasheet

Sinefungin, methyltransferase inhibitor ab144518

1 References

Overview

Product name	Sinefungin, methyltransferase inhibitor
Description	Potent, competitive methyltransferase inhibitor
Biological description	Potent, competitive methyltransferase inhibitor (IC ₅₀ values are < 1 and 2.5 μM for PRMT1 and SET7/9 respectively). Nucleoside S-adenosylmethionine analog. Inhibits RNA synthesis. Shows antibacterial effects.
Purity	> 98%
CAS Number	58944-73-3
Chemical structure	



Properties

Chemical name	(2 <i>S</i> ,5 <i>S</i>)-2,5-Diamino-6-[(2 <i>R</i> ,3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i>)-5-(6-aminopurin-9-yl)-3,4-dihydroxyoxolan-2-yl]hexanoic acid
Molecular weight	381.39
Molecular formula	C ₁₅ H ₂₃ N ₇ O ₅
PubChem identifier	65482
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
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.

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

SMILES

C1=NC2=C(C(=N1)N)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)C[C@H](CC[C@@H](C(=O)O)N)N)O)O

Source

Synthetic

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

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