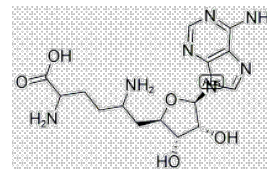


Product Name : Sinefungin
Cat. No. : PC-62408
CAS No. : 58944-73-3
Molecular Formula : C₁₅H₂₃N₇O₅
Molecular Weight : 381.4
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

Sinefungin (A 9145, RP 32232) is a non-selective inhibitor of **SET domain**-containing methyltransferases in the study of epigenetic regulation (IC₅₀ values range from 0.1-20 μM).

Sinefungin is a nucleoside structurally related to S-adenosylhomocysteine and S-adenosylmethionine that isolated from Streptomyces.

Sinefungin demonstrates high in vivo toxicity.

Sinefungin inhibits SET7/9 and ameliorates renal fibrosis by inhibiting H3K4 methylation

References

Tisi D, et al. *ACS Chem Biol.* 2016 Nov 18;11(11):3093-3105.

van Haren MJ, et al. *Biochemistry.* 2016 Sep 20;55(37):5307-15.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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