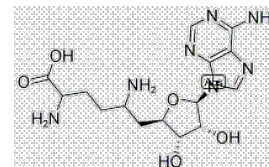


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<b>Product Name</b>	: Sinefungin
<b>Cat. No.</b>	: PC-62408
<b>CAS No.</b>	: 58944-73-3
<b>Molecular Formula</b>	: C <sub>15</sub> H <sub>23</sub> N <sub>7</sub> O <sub>5</sub>
<b>Molecular Weight</b>	: 381.4
<b>Target</b>	: Histone Methyltransferase (HMTase)
<b>Solubility</b>	: 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 (IC<sub>50</sub> values range from 0.1-20 μM).

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

Sinefungin demonstrates high in vivo toxicity.

## 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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