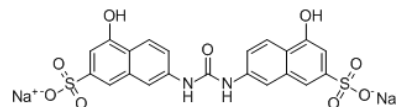


Product Name : AMI-1
Cat. No. : PC-45576
CAS No. : 20324-87-2
Molecular Formula : C₂₁H₁₄N₂Na₂O₉S₂
Molecular Weight : 548.4534
Target : Histone Methyltransferase (HMTase)
Solubility : DMSO: ≥ 46 mg/mL



Biological Activity

AMI-1 (Arginine methyltransferase inhibitor 1) is a specific inhibitor of **PRMTs** (protein arginine methyltransferases), but not lysine methyltransferases.

AMI-1 inhibits PRMT1 and Hmt1p with IC₅₀s of 8.81 uM and 3.03 uM respectively.

AMI-1 increases the ratio of Bax/Bcl-2, and leads to apoptosis and loss of migratory activity in several HCC cells.

AMI-1 decreases the expression levels of H4R3me2s; strongly inhibits HCC growth in vivo.

References

Cheng D, et al. *J Biol Chem*. 2004 Jun 4;279(23):23892-9.

Zhang B, et al. *Oncotarget*. 2015 Sep 8;6(26):22799-811.

Zhang B, et al. *J Transl Med*. 2015 Nov 5;13:349.

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

E-mail: tech@probechem.com