

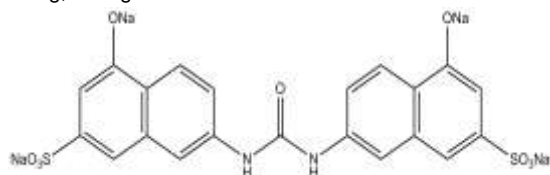
## AMI-1

**ALTERNATE NAME:** Arginine N-methyltransferase inhibitor-1

**CATALOG #:** 1943-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>12</sub>N<sub>2</sub>O<sub>9</sub>S<sub>2</sub>Na<sub>4</sub>

**MOLECULAR WEIGHT:** 592.42

**CAS NUMBER:** N/A

**APPEARANCE:** Brown solid

**SOLUBILITY:** DMSO or Ethanol or water

**PURITY:** ≥98% by NMR

**STORAGE:** Store at -20 °C. Protect from light and moisture

**DESCRIPTION:** Cell-permeable. A potent and specific protein arginine N-methyltransferase (PRMTs) inhibitor (IC<sub>50</sub> = 8.8 μM for human PRMT1 and 3.0 μM for yeast Hmt1p). Does not compete for the AdoMet (S-adenosyl-L-methionine; SAM) binding site. Also acts as a HIV-1 RT polymerase inhibitor (IC<sub>50</sub> = 5.0 μM).

**REFERENCE:** Cheng, D., *et al.* (2004). *J. Biol. Chem.* **279**, 23892-23899.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

- 5-Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)
- BIX01294 (Cat. No. 1678-5, 25)
- RG108 (Cat. No. 1679-10, 30)
- UNC0638 (cat. No. 1933-1, 5)