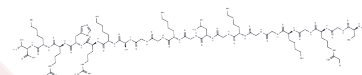


C 21

Chemical Properties

CAS No. :	1229236-78-5
Formula:	C ₉₀ H ₁₆₁ ClN ₃ O ₂₄
Molecular Weight:	2166.94
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Selective protein arginine methyltransferase 1 (PRMT1) inhibitor (IC ₅₀ = 1.8 μM). Exhibits five-fold selectivity for PRMT1 over PRMT6 and >250-fold selectivity over PRMT3 and CARM1.
Targets(IC ₅₀)	Histone Methyltransferase

Solubility Information

Solubility	H ₂ O: 2 mg/mL (0.92 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4615 mL	2.3074 mL	4.6148 mL
5 mM	0.0923 mL	0.4615 mL	0.923 mL
10 mM	0.0461 mL	0.2307 mL	0.4615 mL
50 mM	0.0092 mL	0.0461 mL	0.0923 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Obiany et al (2010) A chloroacetamide-based inactivator of protein arginine methyltransferase 1: design, synthesis, and in vitro and in vivo evaluation. Chembiochem 11 1219 PMID:
- Obiany and Thompson (2012) Kinetic mechanism of protein arginine methyltransferase 6 (PRMT6). J.Biol.Chem. 287 6062 PMID:

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