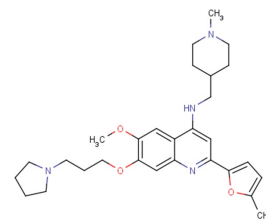


CM-579

Chemical Properties

CAS No.:	1846570-40-8
Formula:	C ₂₉ H ₄₀ N ₄ O ₃
Molecular Weight:	492.65
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	CM-579 is a dual inhibitor of G9a and DNMT(IC ₅₀ :16 nM, 32 nM for G9a and DNMT). It has potent in vitro cellular activity in a wide range of cancer cells.
Targets(IC ₅₀)	DNA Methyltransferase: 32 nM DNMT1: 1.5 nM (kd) DNMT3A: 92 nM DNMT3B: 1000 nM G9a: 16 nM
In vitro	CM-579 inhibits DNMT3A and DNMT3B (IC ₅₀ s: 92 nM and 1000 nM). The K _d of CM-579 for DNMT1 is 1.5 nM.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.03 mL	10.149 mL	20.298 mL
5 mM	0.406 mL	2.03 mL	4.06 mL
10 mM	0.203 mL	1.015 mL	2.03 mL
50 mM	0.041 mL	0.203 mL	0.406 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. San José-Enériz E, et al. Discovery of first-in-class reversible dual small molecule inhibitors against G9a and DNMTs in hematological malignancies. Nat Commun. 2017 May 26;8:15424.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481