

CM-579 trihydrochloride (1846570-40-8 free base)

Chemical Properties

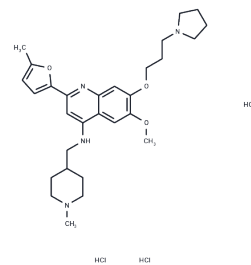
CAS No. :

Formula: C₂₉H₄₃Cl₃N₄O₃

Molecular Weight: 602.04

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	CM-579 trihydrochloride is a first-in-class reversible and dual inhibitor of G9a and DNMT (IC ₅₀ s: 16 nM, 32 nM) with potent in vitro cellular activity in a wide range of cancer cells.
Targets(IC ₅₀)	DNA Methyltransferase

Solubility Information

Solubility	H ₂ O: 37.5 mg/mL (62.29 mM), Sonication is recommended. DMSO: 125 mg/mL (207.63 mM), Sonication is recommended. MEthanol: 75 mg/mL (124.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.661 mL	8.3051 mL	16.6102 mL
5 mM	0.3322 mL	1.661 mL	3.322 mL
10 mM	0.1661 mL	0.8305 mL	1.661 mL
50 mM	0.0332 mL	0.1661 mL	0.3322 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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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:34 Washington Street,Wellesley Hills,MA 02481