

Corin

Chemical Properties

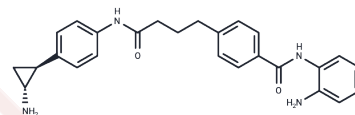
CAS No. : 1808113-09-8

Formula: C₂₆H₂₈N₄O₂

Molecular Weight: 428.53

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 | Corin is an irreversible inhibitor of HDAC1 (IC ₅₀ = 147 nM) and LSD1 (K _i = 110 nM). |
| Targets (IC ₅₀) | Histone Demethylase, HDAC |
| In vitro | Corin induces cellular H3K9 acetylation (EC ₅₀ = 95 nM) and is non-toxic to primary human melanocytes [1]. |

Solubility Information

| | |
|---------------------|--|
| Solubility | H ₂ O: Insoluble DMSO: 150 mg/mL (350.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (7.7 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3336 mL | 11.6678 mL | 23.3356 mL |
| 5 mM | 0.4667 mL | 2.3336 mL | 4.6671 mL |
| 10 mM | 0.2334 mL | 1.1668 mL | 2.3336 mL |
| 50 mM | 0.0467 mL | 0.2334 mL | 0.4667 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

Kalin JH, et al. Targeting the CoREST complex with dual histone deacetylase and demethylase inhibitors. Nat Commun. 2018 Jan 4;9(1):53.

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