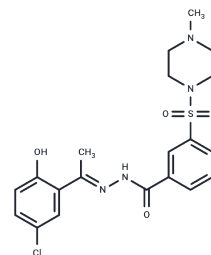


Seclidemstat

Chemical Properties

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 1423715-37-0 |
| Formula: | C ₂₀ H ₂₃ ClN ₄ O ₄ S |
| Molecular Weight: | 450.94 |
| 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 | Seclidemstat (SP-2577) is an effective LSD1 inhibitor, with a mean IC ₅₀ of 127 nM. |
| Targets(IC ₅₀) | Histone Demethylase |

Solubility Information

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | H ₂ O: < 0.1 mg/mL (insoluble), DMSO: 62.5 mg/mL (138.6 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: 4 mg/mL (8.87 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 | 2.2176 mL | 11.0879 mL | 22.1759 mL |
| 5 mM | 0.4435 mL | 2.2176 mL | 4.4352 mL |
| 10 mM | 0.2218 mL | 1.1088 mL | 2.2176 mL |
| 50 mM | 0.0444 mL | 0.2218 mL | 0.4435 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

SUBSTITUTED BENZOHYDRAZIDE ANALOGS AS HISTONE DEMETHYLASE INHIBITORS. WO/2017/004519 A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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