

FT895

Chemical Properties

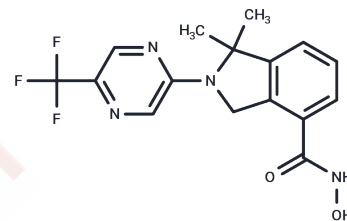
CAS No. : 2225728-57-2

Formula: C₁₆H₁₅F₃N₄O₂

Molecular Weight: 352.31

Storage: Store at low temperature, Keep away from moisture
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 | FT895 is a selective and potent HDAC11 inhibitor with antifungal and antitumor activity, inhibiting HDAC11 expression and limiting EV71 replication in vitro (in vitro). |
| Targets(IC50) | HDAC, Antifungal |
| In vitro | FT895 is a highly selective inhibitor of HDAC11, exhibiting over 1000-fold selectivity against the other 10 members of the HDAC family[1]. |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 150 mg/mL (425.76 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: 2 mg/mL (5.68 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 | 2.8384 mL | 14.192 mL | 28.3841 mL |
| 5 mM | 0.5677 mL | 2.8384 mL | 5.6768 mL |
| 10 mM | 0.2838 mL | 1.4192 mL | 2.8384 mL |
| 50 mM | 0.0568 mL | 0.2838 mL | 0.5677 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

Martin MW, et al. Discovery of novel N-hydroxy-2-arylisoindoline-4-carboxamides as potent and selective inhibitors of HDAC1 *Bioorg Med Chem Lett.* 2018 Jul 1;28(12):2143-2147.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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