

Corynoxine hydrochloride(6877-32-3(free base))

Chemical Properties

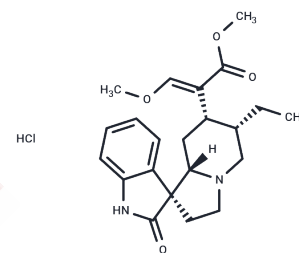
CAS No. :

Formula: C₂₂H₂₉ClN₂O₄

Molecular Weight: 420.93

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

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| Description | Corynoxine hydrochloride is a natural oxindole alkaloid and induces autophagy in different neuronal cell lines, including N2a and SHSY-5Y cells. |
| Targets(IC50) | Autophagy |

Solubility Information

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|------------|--|
| Solubility | DMSO: 50 mg/mL (118.78 mM),Sonication is recommended. Ethanol: 50 mg/mL (118.78 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3757 mL | 11.8785 mL | 23.7569 mL |
| 5 mM | 0.4751 mL | 2.3757 mL | 4.7514 mL |
| 10 mM | 0.2376 mL | 1.1878 mL | 2.3757 mL |
| 50 mM | 0.0475 mL | 0.2376 mL | 0.4751 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

Chen LL, et al. Corynoxine, a natural autophagy enhancer, promotes the clearance of alpha-synuclein via Akt/mTOR pathway. J Neuroimmune Pharmacol. 2014 Jun;9(3):380-7.

Sakakibara I, et al. Effect on locomotion of indole alkaloids from the hooks of uncaria plants. Phytomedicine. 1999 Jul;6(3):163-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481