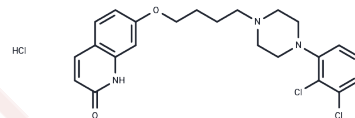


Dehydro Aripiprazole (hydrochloride)

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1008531-60-9 |
| Formula: | C ₂₃ H ₂₆ Cl ₃ N ₃ O ₂ |
| Molecular Weight: | 482.83 |
| 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 | Dehydro aripiprazole is the primary, active metabolite of aripiprazole, an atypical antipsychotic. The metabolite is produced from the parent compound by the actions of cytochrome P450 (CYP) isoforms CYP3A4 and CYP2D6. Dehydro aripiprazole has similar pharmacological properties to aripiprazole. |
| Targets(IC50) | Others,5-HT Receptor |

Solubility Information

| | |
|------------|--|
| Solubility | DMF: 25 mg/mL (51.78 mM),Sonication is recommended. DMF:PBS (pH 7.2)(1:3): 0.25 mg/mL (0.52 mM),Sonication is recommended. DMSO: 20 mg/mL (41.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0711 mL | 10.3556 mL | 20.7112 mL |
| 5 mM | 0.4142 mL | 2.0711 mL | 4.1422 mL |
| 10 mM | 0.2071 mL | 1.0356 mL | 2.0711 mL |
| 50 mM | 0.0414 mL | 0.2071 mL | 0.4142 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.

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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