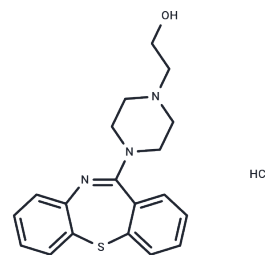


Desethoxy Quetiapine hydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 329218-14-6 |
| Formula: | C ₁₉ H ₂₁ N ₃ O ₅ ·2HCl |
| Molecular Weight: | 412.38 |
| 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 | Desethoxy quetiapine, an active metabolite of the atypical antipsychotic quetiapine, primarily forms through the action of the cytochrome P450 (CYP) isoform CYP3A5. This compound binds to dopamine D2 receptors with an IC ₅₀ value of 1,330 nM. In vivo, desethoxy quetiapine at dosages of 20 and 40 mg/kg mitigates dopamine receptor agonist apomorphine-induced climbing behavior and ameliorates swimming deficits in mice, showcasing its potential modulatory effects on dopamine-mediated behaviors. |
| Targets(IC50) | Others,Dopamine Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4249 mL | 12.1247 mL | 24.2495 mL |
| 5 mM | 0.485 mL | 2.4249 mL | 4.8499 mL |
| 10 mM | 0.2425 mL | 1.2125 mL | 2.4249 mL |
| 50 mM | 0.0485 mL | 0.2425 mL | 0.485 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

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