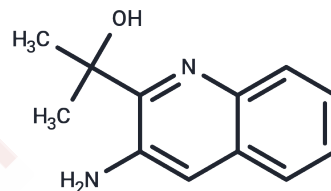


Acloproxalap

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1824609-67-7 |
| Formula: | C ₁₂ H ₁₄ N ₂ O |
| Molecular Weight: | 202.25 |
| 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 | Acloproxalap is a quinoline-based aldehyde scavenger used in studies of diseases with toxic aldehyde accumulation, including inflammatory diseases of the eye and skin, respiratory diseases such as pneumonia, organ diseases, and syndromes associated with viral infections[1] [2]. |
| Targets(IC50) | Others |
| In vivo | Acloproxalap (compound I-6) administered at doses of 100 or 200 mg/kg via intraperitoneal injection or oral gavage daily for 6 days has been shown to significantly alleviate colon inflammation in acute ulcerative colitis (UC) in female Swiss Webster mice, according to study [1]. Administration specifics include intraperitoneal injections at 100 mg/kg and oral gavage at 200 mg/kg, demonstrating notable inhibition of weight loss in the former without significant differences in the latter when compared to control groups. Both methods significantly ameliorated colonic histopathology. In another study involving male non-naïve beagle dogs [2], a single intravenous injection of Acloproxalap (compound I-1) at 3 mg/kg revealed pharmacokinetic parameters that included a half-life (t _{1/2}) of 1.82 hours and a clearance rate of 12.2 mL/kg/min. Oral administration at 10 mg/kg showcased a longer half-life (3.02 hours), maximum concentration (C _{max}) of 3558 ng/mL, and a bioavailability (BioA) of 75%. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 4.9444 mL | 24.7219 mL | 49.4438 mL |
| 5 mM | 0.9889 mL | 4.9444 mL | 9.8888 mL |
| 10 mM | 0.4944 mL | 2.4722 mL | 4.9444 mL |
| 50 mM | 0.0989 mL | 0.4944 mL | 0.9889 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