

KOTX1

Chemical Properties

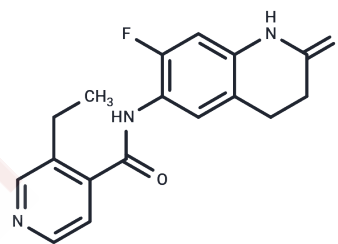
CAS No. : 1788963-83-6

Formula: C₁₇H₁₆FN₃O₂

Molecular Weight: 313.33

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	KOTX1 is an orally active and selective inhibitor of ALDH1A3. In a diabetic mouse model, KOTX1 improves glucose tolerance, insulin secretion, and blood glucose levels.
Targets(IC50)	Others, Dehydrogenase
In vitro	KOTX1 (0-1 μM) demonstrates an IC 50 of 5.14 nM for ALDH1A3 in A375 cells.
In vivo	KOTX1 (40 mg/kg; administered orally; 4 weeks) shows beneficial effects in a diabetic mouse model.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1915 mL	15.9576 mL	31.9152 mL
5 mM	0.6383 mL	3.1915 mL	6.383 mL
10 mM	0.3192 mL	1.5958 mL	3.1915 mL
50 mM	0.0638 mL	0.3192 mL	0.6383 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