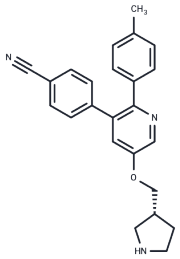
Data Sheet (Cat.No.T27488)

TargetMol

GSK-690

Chemical Properties



CAS No. : 2101305-84-2

Formula: C24H23N3O

Molecular Weight: 369.46

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	GSK-690 is a selective and potent inhibitor of lysine demethylase 1 (LSD 1), which induces differentiation of leukemic stem cells in acute myeloid leukemia (AML), and can be used in the study of leukemias.
Targets(IC50)	Histone Demethylase
In vitro	Co-treatment with GSK690 (1 μM; 10 μM; RH30 cells; RD cells) and JNJ-26481585 (15 nM) can induce caspase-dependent cell death[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7067 mL	13.5333 mL	27.0665 mL
5 mM	0.5413 mL	2.7067 mL	5.4133 mL
10 mM	0.2707 mL	1.3533 mL	2.7067 mL
50 mM	0.0541 mL	0.2707 mL	0.5413 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

Mould DP, et al. Development of (4-Cyanophenyl)glycine Derivatives as Reversible Inhibitors of Lysine Specific Demethylase J Med Chem. 2017 Oct 12;60(19):7984-7999.
Haydn T, et al. Concomitant epigenetic targeting of LSD1 and HDAC synergistically induces mitochondrial apoptosis in rhabdomyosarcoma cells. Cell Death Dis. 2017 Jun 15;8(6):e2879.

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