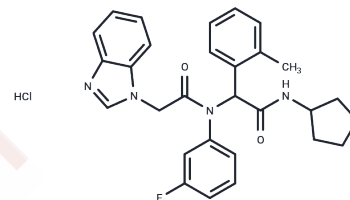


ML-309 (hydrochloride)

Chemical Properties

CAS No. :	1355327-02-4
Formula:	C ₂₉ H ₃₀ ClFN ₄ O ₂
Molecular Weight:	521.03
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	ML-309 is an inhibitor of mutant isocitrate dehydrogenase 1 (IDH1). It reversibly and selective inhibits IDH1R132H over wild-type IDH1 (IC ₅₀ s = 96 and 36,500 nM, respectively). ML-309 reduces 2-hydroxyglutarate production in U87 MG glioblastoma cells (EC ₅₀ = 55 nM).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9193 mL	9.5964 mL	19.1928 mL
5 mM	0.3839 mL	1.9193 mL	3.8386 mL
10 mM	0.1919 mL	0.9596 mL	1.9193 mL
50 mM	0.0384 mL	0.1919 mL	0.3839 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