

MDK-6983

Chemical Properties

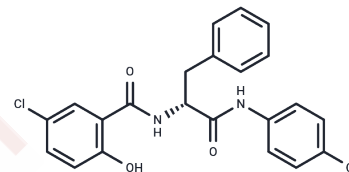
CAS No. : 1227476-98-3

Formula: C₂₂H₁₈Cl₂N₂O₃

Molecular Weight: 429.3

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	MDK-6983 (MDK-6983) is an inhibitor of autophagy and disrupts the dynamics of actin cytoskeleton in human melanoma cells.
Targets(IC50)	Autophagy

Solubility Information

Solubility	DMSO: 45 mg/mL (104.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3294 mL	11.6469 mL	23.2937 mL
5 mM	0.4659 mL	2.3294 mL	4.6587 mL
10 mM	0.2329 mL	1.1647 mL	2.3294 mL
50 mM	0.0466 mL	0.2329 mL	0.4659 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

Páchníková G, et al. Substituted 2-hydroxy-N-(arylalkyl)benzamide sensitizes cancer cells to metabolic stress by disrupting actin cytoskeleton and inhibiting autophagic flux. Toxicol In Vitro. 2016 Dec;37:70-78.

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