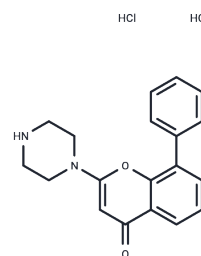


## LY303511 hydrochloride

## Chemical Properties

CAS No. :	854127-90-5
Formula:	C <sub>19</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	379.28
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	LY303511, a structural analog of LY294002, selectively inhibits mTOR-dependent phosphorylation of S6K, unlike its counterpart, which acts as a phosphatidylinositol 3-kinase (PI3K) inhibitor. It effectively reduces cell proliferation in human lung epithelial adenocarcinoma cells by hindering G2/M phase progression and suppressing casein kinase 2 activity. Additionally, LY303511 enhances tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) sensitivity in HeLa cells resistant to TRAIL-induced apoptosis and blocks voltage-gated potassium (Kv) channels.
Targets(IC50)	Others,Potassium Channel,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6366 mL	13.1829 mL	26.3657 mL
5 mM	0.5273 mL	2.6366 mL	5.2731 mL
10 mM	0.2637 mL	1.3183 mL	2.6366 mL
50 mM	0.0527 mL	0.2637 mL	0.5273 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