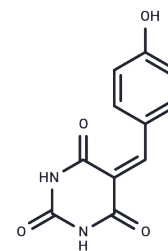


MHY-1685

Chemical Properties

CAS No. : 27406-31-1
 Formula: C₁₁H₈N₂O₄
 Molecular Weight: 232.19
 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	MHY-1685 is a mammalian target of rapamycin (mTOR) inhibitor and a senescence inhibitor that can rejuvenate senile hCSCs by modulating autophagy.
Targets(IC50)	mTOR

Solubility Information

Solubility	DMSO: 10 mg/mL (43.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3068 mL	21.5341 mL	43.0682 mL
5 mM	0.8614 mL	4.3068 mL	8.6136 mL
10 mM	0.4307 mL	2.1534 mL	4.3068 mL
50 mM	0.0861 mL	0.4307 mL	0.8614 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

Park JH, et al. Human cardiac stem cells rejuvenated by modulating autophagy with MHY-1685 enhance the therapeutic potential for cardiac repair. *Exp Mol Med*. 2021 Sep;53(9):1423-1436.

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