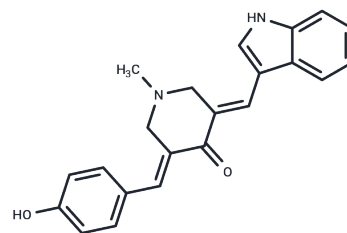


CUR5g

Chemical Properties

CAS No. : 1370032-20-4
Formula: C₂₂H₂₀N₂O₂
Molecular Weight: 344.41
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	CUR5g, a potent autophagy inhibitor, selectively prevents autophagosome degradation in cancer cells by hindering the fusion of autophagosomes with lysosomes. It disrupts the recruitment of STX17 to autophagosomes through a UVRAG-dependent mechanism, thereby impeding autophagosome-lysosome fusion. This inhibition enhances the anticancer efficacy of Cisplatin against A549 cells, demonstrating significant benefits both in vitro and in vivo [1].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9035 mL	14.5176 mL	29.0352 mL
5 mM	0.5807 mL	2.9035 mL	5.807 mL
10 mM	0.2904 mL	1.4518 mL	2.9035 mL
50 mM	0.0581 mL	0.2904 mL	0.5807 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.

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:36 Washington Street,Wellesley Hills,MA 02481