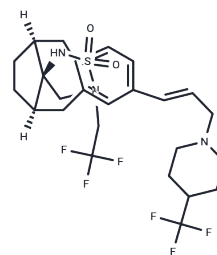


MRK003

## Chemical Properties

CAS No. : 623165-93-5  
 Formula: C<sub>25</sub>H<sub>31</sub>F<sub>6</sub>N<sub>3</sub>O<sub>2</sub>S  
 Molecular Weight: 551.59  
 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	MRK003 is a $\gamma$ -secretase inhibitor exhibits promising in vitro pre-clinical activity in multiple myeloma and non-Hodgkin's lymphoma. MRK003 treatment induced caspase-dependent apoptosis and inhibited proliferation of MM and NHL cell lines and patient cells. Examination of signaling events after treatment showed time-dependent decrease in levels of the notch intracellular domain, Hes1 and c-Myc. MRK003 downregulated cyclin D1, Bcl-XL and Xiap levels in NHL cells and p21, Bcl-2 and Bcl-XL in MM cells. In addition, MRK003 caused an upregulation of pAkt, indicating crosstalk with the PI3K/Akt pathway.
Targets(IC50)	Apoptosis,Others,Gamma-secretase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8129 mL	9.0647 mL	18.1294 mL
5 mM	0.3626 mL	1.8129 mL	3.6259 mL
10 mM	0.1813 mL	0.9065 mL	1.8129 mL
50 mM	0.0363 mL	0.1813 mL	0.3626 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

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