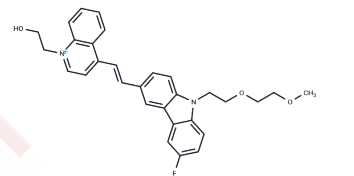


F-SLOH

Chemical Properties

CAS No. :	1620896-55-0
Formula:	C30H30ClFN2O3
Molecular Weight:	521.02
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	F-SLOH is a near-infrared fluorescent probe (NIRF). In the brains of 5XFAD and 3XTg-AD mice, F-SLOH significantly reduces the levels of A β oligomers, Tau aggregates and plaques, as well as amyloid precursor protein (APP) and its metabolites, via the autophagic-lysosomal degradation pathway (ALP). Additionally, F-SLOH diminishes astrocyte activation and microglial proliferation, effectively alleviating neuroinflammation. It also mitigates hyperphosphorylated Tau protein aggregates, improves synaptic defects, enhances synaptic memory function, and ameliorates cognitive impairment in AD model mice.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9193 mL	9.5966 mL	19.1931 mL
5 mM	0.3839 mL	1.9193 mL	3.8386 mL
10 mM	0.1919 mL	0.9597 mL	1.9193 mL
50 mM	0.0384 mL	0.1919 mL	0.3839 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