

Semorinemab

Chemical Properties

CAS No. : 2159141-27-0

Formula:

Molecular Weight: 145.24 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Semorinemab (RG6100) is a humanised monoclonal antibody targeting the N-terminal domain of tau protein with a Kd of 3.8 nM, suitable for Alzheimer's disease research. It binds all six human tau isoforms and reduces tau accumulation.
Targets(IC50)	Microtubule Associated
In vitro	The binding dissociation constants (Kd) of Semorinemab with Homo sapiens-derived Tau protein and recombinant cynomolgus monkey Tau protein (<i>Bletilla striata</i>) were 3.8 nM and 11.2 nM, respectively [1]. Semorinemab effectively inhibits neuronal uptake of Tau oligomers [1].
In vivo	In the Tau pathology transgenic (Tg) mouse model, Semorinemab (3, 10, and 30 mg/kg; intraperitoneal injection, once weekly for 13 weeks) effectively reduced Tau protein accumulation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0689 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0034 mL	0.0069 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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