

Petosemtamab

Chemical Properties

CAS No. : 2213450-26-9

Formula:

Molecular Weight: 145.97 kDa

Storage: Store at low temperature
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Petosemtamab (MCLA 158) is a highly potent monoclonal antibody against EGFR (Kd: 0.22 nM) and LGR5 (Kd: 0.86 nM). Petosemtamab promotes EGFR signaling disruption and receptor breakdown in LGR5+ cancer cells. Petosemtamab can be used in the study of solid tumors such as head and neck squamous cell carcinoma (HNSCC) and metastatic colorectal cancer (CRC).
Targets(IC50)	EGFR
In vitro	Treatment with MCLA-158(Petosemtamab) (1 µg/mL; 24 or 72 hours) induces the degradation of EGFR in EGFR+/LGR5+ colorectal cancer organoids[2].
In vivo	Treatment with MCLA-158(Petosemtamab) (25 mg/kg/week, intravenous injection, for 6 weeks) leads to tumor regression in esophageal squamous cell carcinoma, gastric adenocarcinoma, and head and neck PDX models[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0343 mL	0.0685 mL
5 mM	0.0014 mL	0.0069 mL	0.0137 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