

Mapatumumab

Chemical Properties

CAS No. :	658052-09-6
Formula:	
Molecular Weight:	143.52 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Mapatumumab (HGS-ETR1) is a fully human agonistic monoclonal antibody targeting TNF-related apoptosis-inducing ligand receptor 1, with anticancer activity, capable of inducing apoptosis in cancer cells.
Targets(IC50)	Others
In vitro	Mapatumumab (0.01-100 µg/mL) showed very limited activity against 23 cell lines of PPTP cultured in vitro, with no cell lines achieving 50% growth inhibition. [1] Mapatumumab (1-100 ng/ml) and EPI (0.1-10 µg/ml) treated bladder cancer cells for 24 h, and showed significantly enhanced cytotoxicity and synergistic effect. Mapatumumab (100 ng/ml) does not activate T24 cells casapse-8, casapse-9 and casapse-3. [2]
In vivo	Mapatumumab (10 mg/kg intraperitoneally administered twice weekly for six weeks), two neuroblastoma xenotransplantation models (NB-1643 and NB-SD) showed excessive toxicity. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0348 mL	0.0697 mL
5 mM	0.0014 mL	0.007 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.007 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

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