

Racotumomab

Chemical Properties

CAS No. : 946832-34-4

Formula:

Molecular Weight: 146.6 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Racotumomab (Anti-Human NGcGM3 Recombinant Antibody) is a mouse γ -type anti-recombinant antibody that specifically induces an antibody response against Neu-glycolyl GM3 ganglioside (NeuGcGM3), overexpressed in various solid tumors. Racotumomab reacts with gangliosides containing Neu-Glycolyl (NeuGc), thioglycosides, and other tumor-expressed antigens, demonstrating anti-cancer activity, and is used in lung cancer research.
Targets(IC50)	Others
In vitro	Inducing a specific humoral and cellular immune response against the NeuGcGM3 ganglioside present in tumor cells, racotumomab stimulates cell death[4].
In vivo	In F3II cell (s.c.) mammary tumor mice models, racotumomab (50 μ g/dose, i.p.) together with Keyhole limpet hemocyanin (KLH) inhibits tumor growth[2]. Against lung nodules in 3LL cell (s.c.) mice xenograft, racotumomab (50 μ g/dose, s.c.) together with Pemetrexed (100 mg/kg) is highly effective[3]. However, in 3LL cell (s.c.) mice xenograft, racotumomab (50-200 μ g/dose, s.c.) shows no significant antitumor effect[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0682 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 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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