

Onartuzumab

Chemical Properties

CAS No. : 1133766-06-9

Formula:

Molecular Weight: 146.99 kDa

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

Actual storage temperature shall be subject to the COA.

Onartuzumab

Biological Description

Description	Onartuzumab (MetMab) is a humanized anti-tyrosine kinase c-MET monovalent monoclonal antibody. Onartuzumab has antitumor activity with inhibitory effects on HGF binding, receptor phosphorylation, and signal transduction.
Targets(IC50)	c-Met/HGFR
In vitro	Onartuzumab acts specifically by blocking the binding of the HGF α -chain (but not β -chain) to MET[1]. With an inhibitory concentration (IC50) of 1.8 nM, Onartuzumab effectively blocks HGF binding to human c-Met. This inhibition results in the prevention of c-Met auto-phosphorylation and subsequent cell proliferation in numerous cancer cell lines[2].
In vivo	Administered twice a week for two months at a dose of 30 mg/kg via intraperitoneal injection, Onartuzumab suppresses tumor growth[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.034 mL	0.068 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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