

## Margetuximab

## Chemical Properties

CAS No. : 1350624-75-7

Formula:

Molecular Weight: 145.86 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Margetuximab (MGAH-22) is a second generation anti-human epidermal growth factor receptor 2 protein (HER2) monoclonal antibody with anti-tumor activity for the study of metastatic HER2-positive breast cancer and for the synthesis of nanomedicines.
Targets(IC50)	EGFR,HER
In vitro	Margetuximab is a chimeric anti-HER2 monoclonal antibody with an optimized Fc structural domain and an EC50 value of 39.33 ng/mL.Margetuximab enhances the activity of effector cells against antibody-mediated cellular cytotoxicity (ADCC) mediated by antibody-dependent cells expressing the CD16A-158F variant. [1]
In vivo	<p>In a mouse model, weekly intraperitoneal injections of 2-4 mg/kg of Margetuximab (5-6 times) demonstrated significant tumor shrinkage on days 30-37.[1] Margetuximab has been shown to increase tumor size in mice, and has been shown to increase tumor size in mice. [1]</p> <p>In a study in cynomolgus monkeys, weekly intravenous injections of 15-150 mg/kg of Margetuximab (6 doses) were well tolerated and induced a mean reduction in NK cell counts by 51% and release of IL-6. A single dose of 50 mg/kg of intravenous Margetuximab demonstrated a favorable safety profile. [1]</p>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.0069 mL	0.0343 mL	0.0686 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

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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.

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