

## Ficlatuzumab

## Chemical Properties

CAS No. :	1174900-84-5
Formula:	
Molecular Weight:	145.39 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	Ficlatuzumab is a humanized monoclonal antibody that specifically targets and neutralizes the biological activity of human hepatocyte growth factor (HGF), by inhibiting HGF, Ficlatuzumab effectively blocks c-Met receptor-mediated downstream signaling pathways responsible for cancer cell proliferation, migration, and invasion, demonstrating applicable use for the treatment of squamous cell carcinoma.
Targets(IC50)	c-Met/HGFR
In vitro	Ficlatuzumab (20 µg/mL, 24 hours) treatment of HNSCC cells can effectively reduce the migration and invasion of HNSCC cells promoted by tumor-associated fibroblast (TAF) culture medium, and can also reduce the epithelial-mesenchymal transition (EMT) and vimentin expression of HNSCC cells promoted by TAF. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0688 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 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.

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