

Gancotamab

Chemical Properties

CAS No. :	1509928-00-0
Formula:	
Molecular Weight:	25.79 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	Gancotamab (MM-302) is a HER2-targeting polyethylene glycolated liposome that encapsulates adriamycin to facilitate delivery to HER2-overexpressing tumor cells while limiting exposure to non-target tissues, including the heart. Gancotamab has antitumor activity and may be used to study advanced HER2-positive breast cancer.
Targets(IC50)	EGFR,HER
In vitro	Gancotamab is a liposomal drug targeting HER2 that carries approximately 20,000 Doxorubicin molecules in its core and 45 single-chain anti-HER2 antibodies attached to its surface. [1] Gancotamab (0.5 μ M; 72 hr treatment) promotes increased mortality in BT474-M3 and NCI-N87 cells. [1] Gancotamab (1 μ M; 2-24 hrs) induces activation of p-p53 levels in BT474-M3 and NCI-N87 cells, but has no significant effect on p-Akt signaling. [1]
In vivo	Gancotamab (3 mg/kg; i.v. every 7 days; 3 doses) has a significant inhibitory effect on tumor growth and upregulates the expression of p-p53, a DNA damage marker. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0388 mL	0.1939 mL	0.3877 mL
5 mM	0.0078 mL	0.0388 mL	0.0775 mL
10 mM	0.0039 mL	0.0194 mL	0.0388 mL
50 mM	0.0008 mL	0.0039 mL	0.0078 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481