

Xentuzumab

Chemical Properties

CAS No. : 1417158-65-6

Formula:

Molecular Weight: 143.7 kDa

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

Actual storage temperature shall be subject to the COA.

Xentuzumab

Biological Description

Description	Xentuzumab (BI836845) is a recombinant monoclonal antibody to humanised IGF ligand that inhibits IGF1 and IGF2 growth-promoting signalling and inhibits AKT activation for the study of solid tumours.
Targets(IC50)	Akt,IGF-1R
In vitro	After 5 or 10 days of incubation, single-agent Xentuzumab(XENT)or ENZA reduced the viability of VCaP, DuCaP, and MDA PCa 2b cells in a dose-dependent manner. Combination therapy further decreased cell viability compared to monotherapy; likewise, treatment with XENT+ENZA resulted in a significant reduction in the expression of cell cycle genes, ubiquitin-conjugating enzyme E2 C (UBE2C), cyclin-dependent kinase 1 (CDK1), and cell division cycle protein 20 (CDC20) compared to single-agent treatment.[1].
In vivo	Monotherapy with ENZA did not inhibit tumor growth. However, the addition of Xentuzumab(XENT)rendered the tumors sensitive to ENZA again, leading to a significant reduction in tumor volume[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0348 mL	0.0696 mL
5 mM	0.0014 mL	0.007 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.007 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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