

Abituzumab

Chemical Properties

CAS No. :	1105038-73-0
Formula:	
Molecular Weight:	144.58 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	Abituzumab (DI17E6) is a humanized monoclonal antibody targeting Integrin alphaV, with potential anti-cancer activity. It inhibits phosphorylation of FAK, Akt, and ERK and is used in prostate cancer research.
Targets(IC50)	Integrin
In vitro	<p>Methods: Prostate cancer cell lines were inoculated into 24-well plates and treated with Abituzumab (0.01, 0.1, 1, 10, 30, 100µg/ml). The wound space was measured every 6 hours to observe the invasion and movement of cells.</p> <p>Results: Abituzumab inhibited the movement and invasion of PCa cells.</p> <p>Methods: Prostate cancer cell lines were treated with Abituzumab (100µg/ml) and incubated for 24h.</p> <p>Results: Abituzumab inhibited αV integrin expression and phosphorylation of FAK, Akt and ERK in LNCaP and C4-2B cells. [1]</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0692 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0035 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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