

Durvalumab

Chemical Properties

CAS No. : 1428935-60-7

Formula:

Molecular Weight: 146.03 kDa

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

Actual storage temperature shall be subject to the COA.

Durvalumab

Biological Description

Description	Durvalumab (MEDI 4736) is a humanized monoclonal antibody targeting PD-L1. It can block the interaction of PD-L1 with PD-1 and CD80, with IC50 values of 0.1 and 0.04 nM, respectively. Durvalumab is often used in combination with platinum-based compounds for the treatment of non-small cell lung cancer and advanced hepatocellular carcinoma cells.
Targets(IC50)	PD-1/PD-L1
In vivo	In a mouse xenograft model of human melanoma (A375) and pancreatic (HPAC) tumor cell lines, Durvalumab inhibits tumor growth through a T cell-mediated mechanism. Compared with the isotype-matched control antibody Durvalumab, both HPAC and A375 xenografts significantly inhibited tumor growth (5-0.01 mg / kg for NOD / SCID mice with HPAC tumors ; 5-0.1mg / kg for NOD / SCID mice with A375 tumor ; intraperitoneal administration ; twice a week ; for 3 weeks), 74 % HPAC cell growth inhibition and 77 % A375 cell growth inhibition were achieved. However, when administered in the absence of T cells, Durvalumab had no effect on the growth of A375 tumor xenografts. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0685 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 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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