

Carbetimer

Chemical Properties

CAS No. :	82230-03-3
Formula:	C ₂₄ H ₃₇ N ₅ O ₈
Molecular Weight:	523.59
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

Biological Description

Description	Carbetimer is a partially imidized copolymer of ethylene & maleic anhydride with average MW approx 1,200 daltons; capable of specific stimulation of immune response. Carbetimer is a low molecular weight polymer derived from ethylene and maleic anhydride with potent antineoplastic activity. Preclinical studies have shown antitumor effects against many tumor cell lines including B 16 melanoma. Its antitumor actions are felt to include both reduction of uridine and cytidine nucleoside triphosphate as well as the diminution of pyrimidine salvage by inhibiting uridine, cytidine, and thymidine kinase. Besides direct antiproliferative effects, Carbetimer could act through immunomodulation, as suggested by the induction of cytotoxic T-cells in mice and the discordant in vitro and in vivo activities against the Lewis lung carcinoma model.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9099 mL	9.5495 mL	19.0989 mL
5 mM	0.382 mL	1.9099 mL	3.8198 mL
10 mM	0.191 mL	0.9549 mL	1.9099 mL
50 mM	0.0382 mL	0.191 mL	0.382 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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