

(D)-PPA 1

Chemical Properties

CAS No. : 1620813-53-7

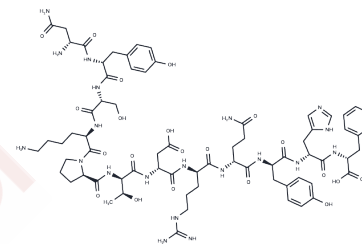
Formula: C70H98N20O21

Molecular Weight: 1555.67

Keep away from moisture

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	PD-1/PD-L1 interaction inhibitor. Binds to PD-L1 ($K_d = 0.51 \mu\text{M}$). Inhibits interaction at 1 mg/mL in flow cytometry. Inhibits tumor growth and prolongs survival time of mice in vivo.
Targets(IC50)	PD-1/PD-L1

Solubility Information

Solubility H2O: 2 mg/mL (1.29 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6428 mL	3.214 mL	6.4281 mL
5 mM	0.1286 mL	0.6428 mL	1.2856 mL
10 mM	0.0643 mL	0.3214 mL	0.6428 mL
50 mM	0.0129 mL	0.0643 mL	0.1286 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.

Reference

Chang et al (2015) Blocking of the PD-1/PD-L1 interaction by a D-peptide antagonist for cancer immunotherapy. Angew Chem.Int.Ed.Engl. 54 11760 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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