

OPBP-1

Chemical Properties

CAS No. :

Formula: C64H92N20O19S

Molecular Weight:

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	OPBP-1 is a D-peptide developed through phage display screening, molecular docking, and molecular dynamics simulations. It exhibits high stability, strong antitumor activity, and oral bioavailability. OPBP-1 selectively binds to the PD-L1 protein, significantly blocking the interaction between PD-1 and PD-L1, which helps restore and enhance T lymphocyte function while reducing the proportion of myeloid-derived suppressor cells (MDSCs), counteracting tumor-induced immune evasion. OPBP-1 is applicable for research in cancer immunotherapy.
Targets(IC50)	PD-1/PD-L1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481