

AUNP-12

Chemical Properties

CAS No.:	1353563-85-5
Formula:	C ₁₄₂ H ₂₂₆ N ₄ O ₄₈
Molecular Weight:	3261.55
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	AUNP-12, a new immune checkpoint modulator, is an inhibitor of the PD-1 pathway.
In vitro	AUNP-12 displays equipotent antagonism toward PD-L1 and PD-L2 in rescue of lymphocyte proliferation and effector functions [1]. AUNP-12 rescues the proliferation in the mouse splenocyte assay system, with average EC ₅₀ values of 17 nM and 16.6 nM against rmPD-L1 and rmPD-L2 respectively[1]. AUNP-12 is also able to significantly rescue recombinant human PD-L1 and PD-L2 mediated inhibition of in vitro human PBMC proliferation, with average EC ₅₀ values of 63.3 nM and 44.1 nM against PD-L1 and PD-L2 respectively[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.307 mL	1.533 mL	3.066 mL
5 mM	0.061 mL	0.307 mL	0.613 mL
10 mM	0.031 mL	0.153 mL	0.307 mL
50 mM	0.006 mL	0.031 mL	0.061 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sasikumar PG, et al. A Rationally Designed Peptide Antagonist of the PD-1 Signaling Pathway as an Immunomodulatory Agent for Cancer Therapy. Mol Cancer Ther. 2019 Jun;18(6):1081-1091.

Inhibitors · Natural Compounds · Compound Libraries

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