

Catalog Number: CM13859

产品信息

Catalog Number:
CM13859分子量:
3321.61

CAS号:

分子式:

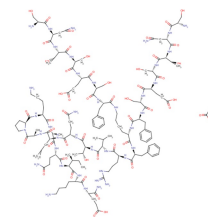
 $C_{144}H_{230}N_{40}O_{50}$

主要靶点:

PD-1/PD-L1

主要通路:

凋亡|免疫与炎症|细胞周期



体外活性

In vitro, AUNP-12 displayed equipotent antagonism toward PD-L1 and PD-L2 in the rescue of lymphocyte proliferation and effector functions. In human PBMC cells, AUNP-12 was also able to significantly rescue recombinant human PD-L1 and PD-L2 mediated inhibition in vitro, with average EC₅₀ values of 63.3 nM and 44.1 nM against PD-L1 and PD-L2 respectively. [1]

体内活性

AUNP-12 acetate rescued the proliferation in the mouse splenocyte assay system, with average EC₅₀ values of 17 nM and 16.6 nM against rmPD-L1 and rmPD-L2 respectively. AUNP-12 (6 hours) showed a Plasma protein binding of 93.9% with plasma stability of more than 60%. AUNP-12 exhibited a half-life of 90 minutes in mouse liver microsomes. In male Balb/c mice, AUNP-12 subcutaneous injection or intravenous injection as a concentration of 3 mg/kg for its PK study. As a result, AUNP-12 shows a low volume of distribution, and the peak plasma levels reach at 0.2-0.4 hours. The absolute bioavailability of AUNP-12 is about 77% in mice. [1]

描述

AUNP-12 acetate is a polypeptide inhibitor of PD-1 that is equivalent to PD-1 and PD-2 in inhibiting lymphocyte proliferation and effector function, in addition to immune activation and antitumor activity.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years