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**Product Data Sheet**

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Product Name: NP-12  
Cat. No.: GC36767

**Chemical Properties**

Cas. No. 1353563-85-5

Formula  $C_{142}H_{226}N_{40}O_{48}$  M.Wt 3261.55

Solubility Water: soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

**Background**

AUNP-12 is an inhibitor of the interaction between programmed cell death 1 (PD-1) and its ligands, PD-L1 and PD-L2.<sup>1</sup> It inhibits binding of soluble PD-1 to HEK293 cells expressing human PD-L2 ( $EC_{50} = 0.72$  nM). AUNP-12 reverses PD-L1-induced inhibition of proliferation of PMA-stimulated, PD-1-expressing rat peripheral blood mononuclear cells (PBMCs;  $EC_{50} = 0.41$  nM). It reduces tumor growth and lung metastasis by 44 and greater than 60%, respectively, in a B16/F10 mouse melanoma model when administered at a dose of 5 mg/kg per day.

1.Sasikumar, P.G.N., Ramachandra, M., Vadlamani, S.K., et al. Immunosuppression modulating compounds(2011)

**Caution: Product has not been fully validated for medical applications. For research use only.**

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