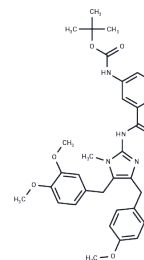


PD-L1-IN-2

Chemical Properties

CAS No. :	2894733-91-4
Formula:	C33H38N4O6
Molecular Weight:	586.68
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-L1-IN-2, a Naamidine J derivative, serves as a promising antineoplastic immunomodulator by hindering PD-L1 activity. In vivo studies indicate that it suppresses PD-L1 expression and amplifies tumor-infiltrating T-cell response, thus exerting anticancer effects. This compound is particularly utilized in the investigation of colorectal cancer [1].
Targets(IC50)	PD-1/PD-L1
In vitro	PD-L1-IN-2 (compound 11c) has an IC50 value of 31.7 μ M against RKO cells [1]. In concentrations of 0-10 μ M and over 0-24 hours, PD-L1-IN-2 inhibits PD-L1 expression in RKO cells dose- and time-dependently [1]. PD-L1-IN-2 also enhances PD-L1 protein turnover, as shown by an accelerated PD-L1 turnover rate in treated cells compared to untreated cells in a CHX pulse-chase assay [1].
In vivo	Administered intraperitoneally at 25/50 mg/kg once daily for 16 days, PD-L1-IN-2 (compound 11c) resulted in tumor size reduction, with the 50 mg/kg group showing a 45% inhibition rate and significantly lower average tumor weight compared to the PBS group [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7045 mL	8.5225 mL	17.0451 mL
5 mM	0.3409 mL	1.7045 mL	3.409 mL
10 mM	0.1705 mL	0.8523 mL	1.7045 mL
50 mM	0.0341 mL	0.1705 mL	0.3409 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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