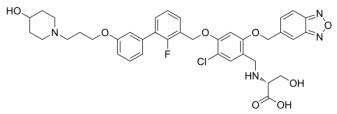
PD-L1-IN-4

Cat. No.:	HY-162356
CAS No.:	2597056-86-3
Molecular Formula:	$C_{38}H_{40}ClFN_4O_8$
Molecular Weight:	735.2
Target:	PD-1/PD-L1
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PD-L1-IN-4 (Compound X18) is an orally active PD-L1 inhibitor that exhibits remarkable inhibitory activity against the PD-1/PD-L1 interaction (IC_{50} = 1.3 nM) and enhances PD-L1 inhibitory effect on T cells (EC_{50} = 152.8 nM). PD-L1-IN-4 can be used for the research of cancer[1].

In Vitro

PD-L1-IN-4 (0.1-10 μM, 24 h) alleviates the immunosuppressive effect of PD-L1 and reduces cell-surface accessible PD-L1 in PD-L1/aAPC/CHO-K1 cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

Pharmacokinetic Analysis in SD Rat Model[1]

Route	Dose (mg/kg)	$t_{1/2}$ (h)	T_{max} (h)	C_{max} (ng/mL)	AUC_{0-t} (ng·h/mL)
p.o.	50	5.3	0.1	45.6	82.1

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REFERENCES

[1]. Liu L, et al. Discovery of Novel PD-L1 Small-Molecular Inhibitors with Potent In Vivo Anti-tumor Immune Activity. J Med Chem. 2024 Mar 11.

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