PD-1/PD-L1-IN-32

Cat. No.: HY-155740

CAS No.: 2765535-21-3

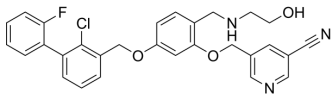
Molecular Formula: $C_{29}H_{25}ClFN_3O_3$

Molecular Weight: 517.98

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-1/PD-L1-IN-32 (compound A56) is a potent PD-1/PD-L1 inhibitor (IC_{50}=2.4 nM), with anticancer activity. PD-1/PD-L1-IN-32 significantly inhibits tumor growth in hPD-L1 MC38 humanized mouse model, without obvious toxicity against mouse normal ability[1].

IC_{50} & Target

IC50: 2.4 nM (PD-1/PD-L1)[1]

In Vivo

Pharmacokinetic Analysis of PD-1/PD-L1-IN-32 (compound A56) in SD Rat Model[1]

Route	Dose (mg/kg)	$AUC_{(0-t)}$ (μg/L·h)	$AUC_{(0-\infty)}$ (μg/L·h)	C_{max} (μg/L)	T_{max} (h)	$t_{1/2}$ (h)	V_1 (L/kg)	CL (L/h/kg)	F (%)
iv	8	11487.46	13353.19	6227.50	0.08	0.99	1.09	0.60	
ig	40	63579.08	65527.75	21504.90	1.75	1.72	1.80	0.62	114.09
ip	10	9729.84	10504.11	4156.54	0.88	2.43	2.94	1.21	

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

REFERENCES

[1]. Zhang H, et al. Design, Synthesis, and Antitumor Activity Evaluation of 2-Arylmethoxy-4-(2,2'-dihalogen-substituted biphenyl-3-ylmethoxy) Benzylamine Derivatives as Potent PD-1/PD-L1 Inhibitors. J Med Chem. 2023 Aug 10;66(15):10579-10603.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA