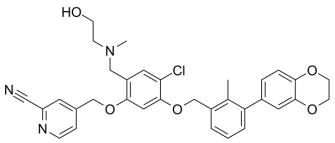
PD-1/PD-L1-IN-41

Cat. No.:	HY-162343
Molecular Formula:	$C_{33}H_{32}ClN_3O_5$
Molecular Weight:	586.08
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-41 (Compound 5c) is a PD-L1 and PD-1 inhibitor with IC_{50} value of 10.2 nM[1].
IC_{50} & Target	IC50: 10.2 nM (PD-1/PD-L1)[1]
In Vitro	PD-1/PD-L1-IN-41 (Compound 5c) (100 μl; 24 h) EC_{50} for CHO-hPD-L1 cells is 11.6 μM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PD-1/PD-L1-IN-41 (Compound 5c) can also be radiolabelled with carbon 11. [^{11}C]5c does not bind specifically to PD-1-negative and PD-1-expressing xenografted NSG mice. This may be attributed to rapid metabolism of the radioactive tracer, limited tissue penetration due to plasma protein binding, or elevated levels of non-specific or off-target interactions[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bamminger K, et al. Development and In Vivo Evaluation of Small-Molecule Ligands for Positron Emission Tomography of Immune Checkpoint Modulation Targeting Programmed Cell Death 1 Ligand 1. J Med Chem. 2024;67(5):4036-4062.

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