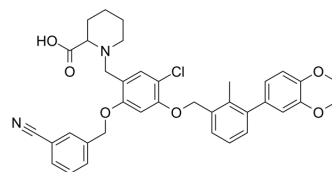


BMS-1166-N-piperidine-COOH

Cat. No.:	HY-131187
CAS No.:	2447066-00-2
Molecular Formula:	C ₃₇ H ₃₅ ClN ₂ O ₆
Molecular Weight:	639.14
Target:	Ligands for Target Protein for PROTAC
Pathway:	PROTAC
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description

BMS-1166-N-piperidine-COOH, the BMS-1166-based moiety, binds to E3 ligase ligand via a linker to form PROTAC PD-1/PD-L1 degrader-1 (HY-131183) to degrade PD-1/PD-L1^[1]. BMS-1166 is a potent PD-1/PD-L1 interaction inhibitor with an IC₅₀ of 1.4 nM. BMS-1166 antagonizes the inhibitory effect of PD-1/PD-L1 immune checkpoint on T cell activation^[2].

REFERENCES

- [1]. Binbin Cheng, et al. Discovery of Novel Resorcinol Diphenyl Ether-Based PROTAC-like Molecules as Dual Inhibitors and Degraders of PD-L1. *Eur J Med Chem.* 2020 Aug 1;199:112377.
- [2]. Guzik K, et al. Small-Molecule Inhibitors of the Programmed Cell Death-1/Programmed Death-Ligand 1 (PD-1/PD-L1) Interaction via Transiently Induced Protein States and Dimerization of PD-L1. *J Med Chem.* 2017 Jul 13;60(13):5857-5867.

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

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