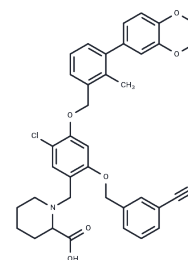


## BMS-1166-N-piperidine-COOH

## Chemical Properties

CAS No. :	2447066-00-2
Formula:	C37H35ClN2O6
Molecular Weight:	639.15
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	BMS-1166-N-piperidine-COOH is a chemical compound that functions as the BMS-1166-based moiety. It binds to the E3 ligase ligand through a linker, leading to the formation of PROTAC PD-1/PD-L1 degrader-1, which facilitates the degradation of PD-1/PD-L1. BMS-1166 demonstrates potent inhibition of PD-1/PD-L1 interaction, with an IC <sub>50</sub> of 1.4 nM. By antagonizing the inhibitory effect of the PD-1/PD-L1 immune checkpoint on T cell activation, BMS-1166 promotes T cell activation.
Targets(IC <sub>50</sub> )	Others,Ligands for Target Protein for PROTAC

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5646 mL	7.8229 mL	15.6458 mL
5 mM	0.3129 mL	1.5646 mL	3.1292 mL
10 mM	0.1565 mL	0.7823 mL	1.5646 mL
50 mM	0.0313 mL	0.1565 mL	0.3129 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.

## Reference

Binbin Cheng, et al. Discovery of Novel Resorcinol Diphenyl Ether-Based PROTAC-like Molecules as Dual Inhibitors and Degradors of PD-L1. *Eur J Med Chem.* 2020 Aug 1;199:112377.

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.

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