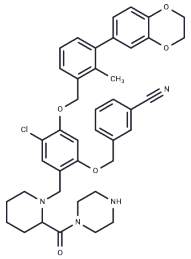
Data Sheet (Cat.No.T40111)

TargetMol

BMS-1166-N-piperidine-CO-N-piperazine

Chemical Properties



CAS No. : 2447066-14-8

Formula: C41H43ClN4O5

Molecular Weight: 707.27

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	BMS-1166-N-piperidine-CO-N-piperazine is a chemical compound containing a PD-1/PD-L1 immune checkpoint ligand and a PROTAC linker. It is used in synthesizing [PROTAC PD-1/PD-L1 degrader-1], which effectively inhibits the PD-1/PD-L1 interaction with an IC50 value of 39.2 nM.
Targets(IC50)	Others,Target Protein Ligand-Linker Conjugates
In vitro	PROTACs, which consist of two ligands connected by a linker–one binding an E3 ubiquitin ligase and the other the target protein–utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4139 mL	7.0694 mL	14.1389 mL
5 mM	0.2828 mL	1.4139 mL	2.8278 mL
10 mM	0.1414 mL	0.7069 mL	1.4139 mL
50 mM	0.0283 mL	0.1414 mL	0.2828 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

Cheng B, Ren Y, Cao H, Chen J. Discovery of novel resorcinol diphenyl ether-based PROTAC-like molecules as dual inhibitors and degraders of PD-L1. Eur J Med Chem. 2020;199:112377.

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