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

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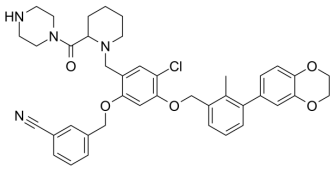
| **Cat. No.:** | HY-131386 |
| **CAS No.:** | 2447066-14-8 |
| **Molecular Formula:** | $C_{41}H_{43}ClN_4O_5$ |
| **Molecular Weight:** | 707.26 |
| **Target:** | Target Protein Ligand-Linker Conjugates |
| **Pathway:** | PROTAC |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

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| **Description** | BMS-1166-N-piperidine-CO-N-piperazine incorporates a ligand for PD-1/PD-L1 immune checkpoint, and a PROTAC linker. BMS-1166-N-piperidine-CO-N-piperazine can be used in the synthesis of PROTAC PD-1/PD-L1 degrader-1 (HY-131183). PROTAC PD-1/PD-L1 degrader-1 inhibits PD-1/PD-L1 interaction with an $IC_{50}$ of 39.2 nM[1]. |
| **In Vitro** | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. 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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