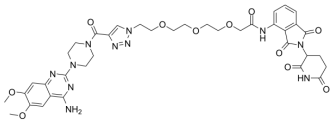
α1A-AR Degrader 9c

Cat. No.:	HY-147100
CAS No.:	2863635-02-1
Molecular Formula:	$C_{38}H_{43}N_{11}O_{11}$
Molecular Weight:	829.82
Target:	Adrenergic Receptor; PROTACs
Pathway:	GPCR/G Protein; Neuronal Signaling; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α1A-AR Degrader 9c (compound 9c) is a potent, selective and reversible α1A-AR (Adrenergic receptor) PROTAC degrader, with a DC_{50} of 2.86 μM. α1A-AR Degrader 9c induces α1A-AR degradation can be attributed to proteasomal degradation. α1A-AR Degrader 9c inhibits the proliferation of PC-3 cells, with an IC_{50} of 6.12 μM. α1A-AR Degrader 9c shows antitumor activity, and can be used for prostate cancer research[1].
IC_{50} & Target	α1A-adrenergic receptor 2.86 μM (DC50)
In Vivo	α1A-AR Degrader 9c (compound 9c) (50 mg/kg, IP, once daily for 15 days) causes a significant suppression of tumor growth[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li Z, et al. First small-molecule PROTACs for G protein-coupled receptors: inducing α1A-adrenergic receptor degradation. Acta Pharm Sin B. 2020 Sep;10(9):1669-1679.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA