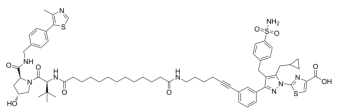
MS6105

Cat. No.:	HY-152261
CAS No.:	2891709-58-1
Molecular Formula:	$C_{65}H_{81}N_9O_9S_3$
Molecular Weight:	1228.59
Target:	PROTACs
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MS6105 is an LDH protein hydrolysis-targeted chimera (PROTAC) that effectively degrades LDHA and LDHB in a time- and ubiquitin-proteasome system-dependent manner and has anticancer activity[1]. MS6105 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
In Vitro	MS6105 (compound 22) (10 nM-10 μM, 48 h) can effectively induce LDHA and LDHB degradation in PANC1 cells in a time- and concentration-dependent manner, with DC_{50} values of 38 nM and 74 nM for LDHA and LDHB, respectively[1]. MS6105 (compound 22) (0.1-1 μM, 48 h) effectively inhibits the proliferation of PANC1 cells with a GI_{50} value of 16.1 μM and the growth of MiaPaca2 cells with a GI_{50} value of 12.2 μM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ning Sun, et al. Discovery of the First Lactate Dehydrogenase Proteolysis Targeting Chimera Degrader for the Treatment of Pancreatic Cancer. J Med Chem. 2023 Jan 12;66(1):596-610.

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