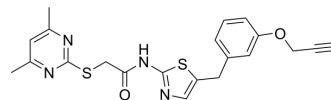


SirReal1-O-propargyl

Cat. No.:	HY-107453
CAS No.:	1862237-99-7
Molecular Formula:	C ₂₁ H ₂₀ N ₄ O ₂ S ₂
Molecular Weight:	424.54
Target:	Ligands for Target Protein for PROTAC
Pathway:	PROTAC
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	SirReal1-O-propargyl is a selective and highly potent Sirtuin 2 (Sirt2) inhibitor, with an IC ₅₀ of 2.4 μM. SirReal1-O-propargyl, the SirReal1-based moiety, binds to the cereblon ligand via a linker to form PROTAC to degrade Sirt2 ^[1] . SirReal1-O-propargyl is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC ₅₀ & Target	IC ₅₀ : 2.4 μM (Sirt2) ^[1] .

REFERENCES

[1]. Schiedel M, et al. Chemically Induced Degradation of Sirtuin 2 (Sirt2) by a Proteolysis Targeting Chimera (PROTAC) Based on Sirtuin Rearranging Ligands (SirReals). J Med Chem. 2018 Jan 25;61(2):482-491.

Caution: Product has not been fully validated for medical applications. For research use only.

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