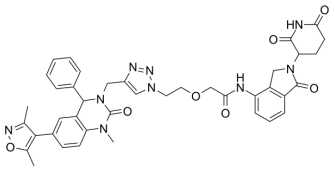
PROTAC BRD4 Degrader-2

Cat. No.:	HY-133136
CAS No.:	2185795-53-1
Molecular Formula:	$C_{40}H_{39}N_9O_7$
Molecular Weight:	757.79
Target:	PROTACs; Epigenetic Reader Domain
Pathway:	PROTAC; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PROTAC BRD4 Degrader-2 is a PROTAC connected by ligands for Cereblon and BRD4 with an IC_{50} of 14.2 nM against BRD4 BD1[1].

IC_{50} & Target	BRD4 BD1 14.2 nM (IC_{50})	Cereblon

In Vitro

PROTAC BRD4 Degrader-2 (Compound 17) inhibits the growth of THP-1 cell line with an IC_{50} of 1.83±0.016 μM[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Proliferation Assay[1]

Cell Line:	Human monocyte lymphoma cell line THP-1
Concentration:	72 hours
Incubation Time:	0.81-3.26 μM
Result:	Showd high anti-proliferative potency.

REFERENCES

[1]. Zhang F, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. Bioorg Med Chem. 2020 Jan 1;28(1):115228.

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

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