SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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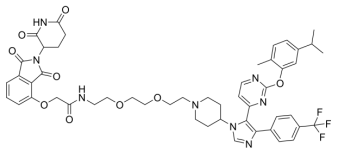
dBRD4-BD1

Cat. No.:	HY-151593
CAS No.:	2839318-19-1
Molecular Formula:	$C_{50}H_{53}F_3N_8O_9$
Molecular Weight:	967
Target:	Epigenetic Reader Domain; PROTACs
Pathway:	Epigenetics; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

dBRD4-BD1 is a selective and durable BRD4 degrader with an DC_{50} value of 280 nM (D_{max}=77%). dBRD4-BD1 upregulates BRD2/3 protein level and shows low cytotoxicity than iBRD4-BD1[1].

In Vitro

dBRD4-BD1 (64 pM-25 nM; 24 h) degrades BDR4 in a dose-dependent manner[1].
dBRD4-BD1 (5 μM; 0-72 h) increases the protein level of BRD2 and BRD3[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1]

Cell Line:	MM.1S cells
Concentration:	25, 5, 1, 0.2, 0.04, 0.008, 0.0016 nM and 320 pM, 64 pM
Incubation Time:	24 hours
Result:	Degraded BDR4 in a dose-dependent manner.

Western Blot Analysis[1]

Cell Line:	MM.1S cells
Concentration:	5 μM
Incubation Time:	0, 0.5, 1, 2, 4, 8, 12, 24, 30, 36, 48, 72 hours
Result:	Increased the protein amount of BRD2 and BRD3 without decreasing cMyc protein level in 4 hr period.

REFERENCES

[1]. Divakaran A, et al. Development of an N-Terminal BRD4 Bromodomain-Targeted Degrader. ACS Med Chem Lett. 2022 Sep 29;13(10):1621-1627.

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

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