



SZABO SCANDIC

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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

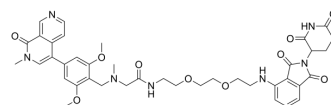
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

dBRD9

Cat. No.:	HY-117690
CAS No.:	2170679-45-3
Molecular Formula:	C ₄₀ H ₄₅ N ₇ O ₁₀
Molecular Weight:	783.83
Target:	Epigenetic Reader Domain; PROTACs
Pathway:	Epigenetics; PROTAC
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (127.58 mM; Need ultrasonic)

	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
Preparing Stock Solutions	1 mM		1.2758 mL	6.3789 mL	12.7579 mL
	5 mM		0.2552 mL	1.2758 mL	2.5516 mL
	10 mM		0.1276 mL	0.6379 mL	1.2758 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

dBRD9, a PROTAC, can selectively degrade BRD9. dBRD9 improves the bromodomain binding profile and reduces the binding activity of the whole BET family^[1].

IC₅₀ & Target

BRD9

In Vitro

dBRD9 (0.5-5000 nM; 4 h) reduces the expression of BRD9 with a concentration-dependent manner, but has insignificant effect on the expression of actin, BRD4 and BRD7 in MOLM-13 cells^[1].
 dBRD9 (100 nM; 2 h) is selective for BRD9 in MOLM-13 cells^[1].
 dBRD9 (7 d) has anti-proliferation effect on EOL-1 and MOLM-13 cell lines^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.
 Western Blot Analysis^[1]

Cell Line:	MOLM-13 cells.
Concentration:	0.5, 5, 50, 500 and 5000 nM.

Incubation Time:	4 h.
Result:	Reduced the expression of BRD9.

REFERENCES

[1]. Remillard D, et al. Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. Angew Chem Int Ed Engl. 2017 May 15;56(21):5738-5743.

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

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