

Product Name: dBRD9-A

Catalog No.: 6943

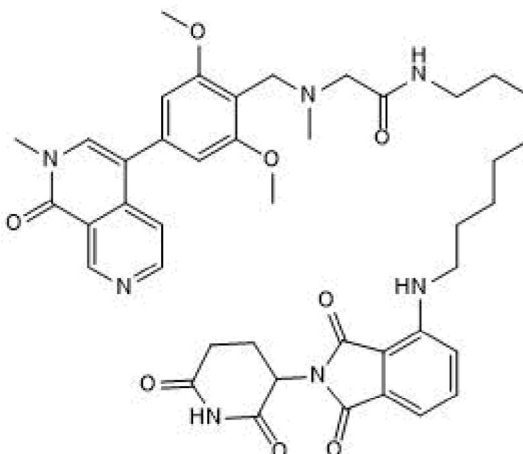
Batch No.: 1

CAS Number: 2170679-42-0

IUPAC Name: 2-((2,6-Dimethoxy-4-(2-methyl-1-oxo-1,2-dihydro-2,7-naphthyridin-4-yl)benzyl)(methylamino)-N-(8-((2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl)amino)octyl)acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₄₂ H ₄₉ N ₇ O ₈ .H ₂ O
Batch Molecular Weight:	797.9
Physical Appearance:	Bright yellow solid
Solubility:	DMSO to 100 mM ethanol to 10 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 99.5% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	63.22	6.44	12.29
Found	63.03	6.28	12.27

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

dBRD9-A is a potent BRD9 Degradator (PROTAC®). Selectively binds BRD9 and elicits near complete degradation of BRD9 at nanomolar concentrations. Inhibits growth of synovial sarcoma cells in vitro and tumor progression in a synovial sarcoma xenograft mouse model. BRD9 antibody validated for Simple Western™ (automated Western) instruments and Western Blot also available: Catalog # NBP3-14730. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

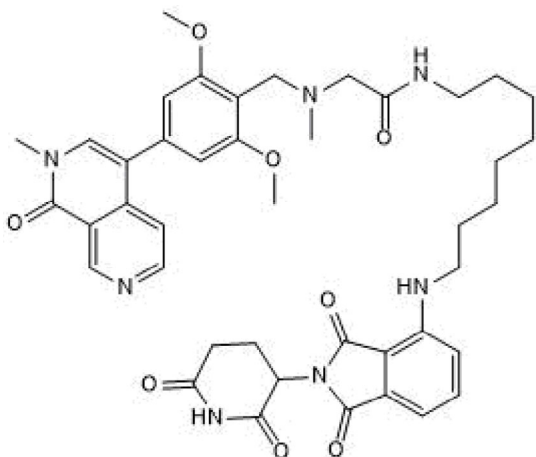
Batch Molecular Formula: C₄₂H₄₉N₇O₈·H₂O

Batch Molecular Weight: 797.9

Physical Appearance: Bright yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold under license from Dana-Farber Cancer Institute

References:

Brien *et al* (2018) Targeted degradation of BRD9 reverses oncogenic gene expression in synovial sarcoma. *Elife* **7** e41305. PMID: 30431433.

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