

**Product Name:** dBRD9

**Catalog No.:** 6606

**Batch No.:** 1

CAS Number: 2341840-98-8

IUPAC Name: 2-[[[4-(1,2-Dihydro-2-methyl-1-oxo-2,7-naphthyridin-4-yl)-2,6-dimethoxyphenyl]methyl]methylamino]-*N*-[2-[2-[2-[[2-(2,6-dioxo-3-piperidiny)]-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]ethoxy]ethoxy]ethyl]acetamide dihydrochloride

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>40</sub>H<sub>45</sub>N<sub>7</sub>O<sub>10</sub>·2HCl·1½H<sub>2</sub>O

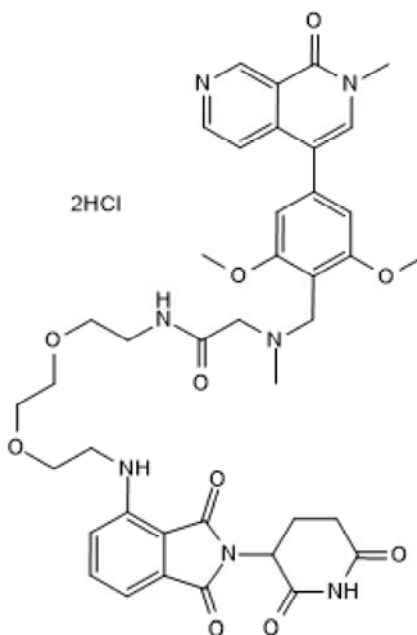
**Batch Molecular Weight:** 883.77

**Physical Appearance:** Yellow solid

**Solubility:** water to 20 mM  
DMSO to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	54.36	5.7	11.09
Found	54.08	5.65	10.89

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**Description:**

PROTAC® composed of the BRD9 inhibitor BI 7273 conjugated to the cereblon E3 ligase ligand pomalidomide (Cat. No. 6302). Potent and selective degrader of BRD9 (IC<sub>50</sub> = 56.6 nM in MOLM-13 cells). Does not degrade BRD4 or BRD7 at concentrations up to 5 μM. Displays antiproliferative effects in human AML cell lines. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

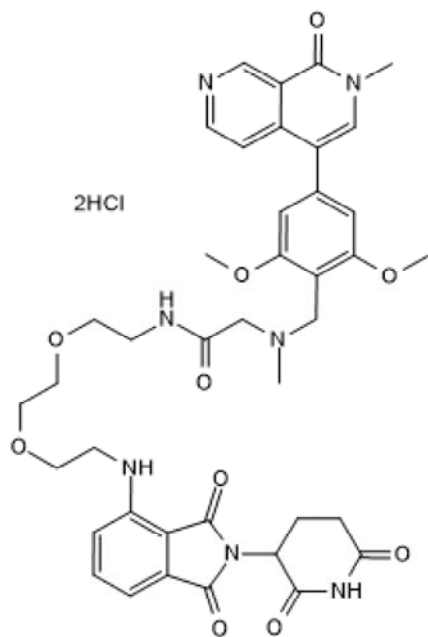
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Batch Molecular Weight: 883.77

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

Remillard *et al* (2017) Degradation of the BAF complex factor BRD9 by heterobifunctional ligands. *Angew.Chem.Int.Ed.Engl.* **56** 5738. PMID: 28418626.

**Storage:** Store at -20°C

**Solubility & Usage Info:**

water to 20 mM

DMSO to 50 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. Our standard recommendations are:

**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.

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