



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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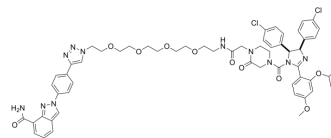
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## PROTAC PARP1 degrader

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-114324  |
| <b>CAS No.:</b>           | 2369022-68-2   |
| <b>Molecular Formula:</b> | C <sub>58</sub> H <sub>63</sub> Cl <sub>2</sub> N <sub>11</sub> O <sub>10</sub>                  |
| <b>Molecular Weight:</b>  | 1145.09  |
| <b>Target:</b>            | PROTACs; PARP  |
| <b>Pathway:</b>           | PROTAC; Cell Cycle/DNA Damage; Epigenetics   |
| <b>Storage:</b>           | -20°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (87.33 mM; Need ultrasonic)

| Solvent                   | Mass  | Concentration |           |           |
|---------------------------|-------|---------------|-----------|-----------|
|                           |       | 1 mg          | 5 mg      | 10 mg     |
| Preparing Stock Solutions | 1 mM  | 0.8733 mL     | 4.3665 mL | 8.7329 mL |
|                           | 5 mM  | 0.1747 mL     | 0.8733 mL | 1.7466 mL |
|                           | 10 mM | 0.0873 mL     | 0.4366 mL | 0.8733 mL |

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

### BIOLOGICAL ACTIVITY

#### Description

PROTAC PARP1 degrader is a PARP1 degrader based on MDM2 E3 ligand. It induces significant PARP1 cleavage and programmed cell death. PROTAC PARP1 degrader at 10 μM at 24 h inhibits MDA-MB-231 cell line with an IC<sub>50</sub> of 6.12 μM.

#### IC<sub>50</sub> & Target

|       |      |
|-------|------|
| PARP1 | MDM2 |
|-------|------|

### REFERENCES

[1]. Zhao Q, et al. Induction of apoptosis in MDA-MB-231 breast cancer cells by a PARP1-targeting PROTAC small molecule. Chem Commun (Camb). 2019 Jan 2;55(3):369-372.

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

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