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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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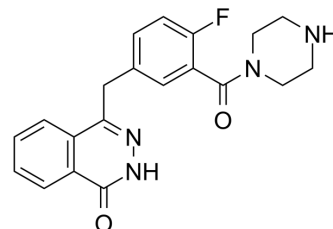
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N-Descyclopropanecarbaldehyde Olaparib

Cat. No.:	HY-75706
CAS No.:	763111-47-3
Molecular Formula:	C ₂₀ H ₁₉ FN ₄ O ₂
Molecular Weight:	366.39
Target:	PARP; E3 Ligase Ligand-Linker Conjugates
Pathway:	Cell Cycle/DNA Damage; Epigenetics; PROTAC
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (272.93 mM)
 H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 80°C) (insoluble)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration			
Preparing Stock Solutions	1 mM		2.7293 mL	13.6467 mL	27.2933 mL
	5 mM		0.5459 mL	2.7293 mL	5.4587 mL
	10 mM		0.2729 mL	1.3647 mL	2.7293 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Descyclopropanecarbaldehyde Olaparib is an analogue of Olaparib containing DOTA moiety. N-Descyclopropanecarbaldehyde Olaparib is a CRBN-based ligand for synthesizing novel dual EGFR and PARP PROTAC, DP-C-4 [1]. N-Descyclopropanecarbaldehyde Olaparib can be radiolabeled F-18 or fluorophore for positron emission tomography (PET) or optical imaging in several types of tumor [2].

REFERENCES

- [1]. Tao Huang, et al. Initial evaluation of Cu-64 labeled PARPi-DOTA PET imaging in mice with mesothelioma. *Bioorg Med Chem Lett*. 2017 Aug 1;27(15):3472-3476.
- [2]. Mengzhu Zheng, et al. Rational Design and Synthesis of Novel Dual PROTACs for Simultaneous Degradation of EGFR and PARP. *J Med Chem*. 2021 May 26.

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

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