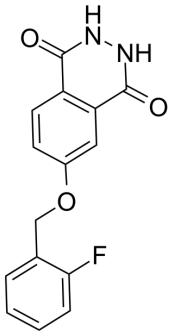
PARP10/15-IN-2

Cat. No.:	HY-146501
CAS No.:	2892064-99-0
Molecular Formula:	$C_{15}H_{11}FN_2O_3$
Molecular Weight:	286.26
Target:	PARP; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (174.67 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.4933 mL	17.4666 mL	34.9333 mL
	5 mM	0.6987 mL	3.4933 mL	6.9867 mL
	10 mM	0.3493 mL	1.7467 mL	3.4933 mL

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

BIOLOGICAL ACTIVITY

Description

PARP10/15-IN-2 (Compound 8h) is a potent PARP10 and PARP15 dual inhibitor with IC_{50} values of 0.15 μM and 0.37 μM against PARP10 and PARP15, respectively. PARP10/15-IN-2 is able to enter cells and rescue cells from apoptosis[1].

IC_{50} & Target	PARP10	PARP15
	0.15 μM (IC_{50})	0.37 μM (IC_{50})

REFERENCES

[1]. Nizi MG, et al. Potent 2,3-dihydrophthalazine-1,4-dione derivatives as dual inhibitors for mono-ADP-ribosyltransferases PARP10 and PARP15. Eur J Med Chem. 2022 Jul 5;237:114362.

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

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