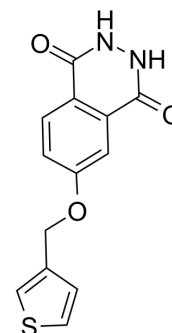


PARP10/15-IN-1

Cat. No.:	HY-143398
CAS No.:	2892065-01-7
Molecular Formula:	C ₁₃ H ₁₀ N ₂ O ₃ S
Molecular Weight:	274.3
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
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 : 25 mg/mL (91.14 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.6456 mL	18.2282 mL	36.4564 mL
5 mM	0.7291 mL	3.6456 mL	7.2913 mL
10 mM	0.3646 mL	1.8228 mL	3.6456 mL

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

BIOLOGICAL ACTIVITY

Description

PARP10/15-IN-1 (compound 8l) is a potent inhibitor of dual inhibitor of PARP10 and PARP15, with IC₅₀s of 160 nM and 370 nM, respectively. PARP10/15-IN-1 can be used for cancer^[1].

IC₅₀ & Target

PARP10 160 nM (IC ₅₀)	PARP15 370 nM (IC ₅₀)
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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 Apr 19;237:114362.

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

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