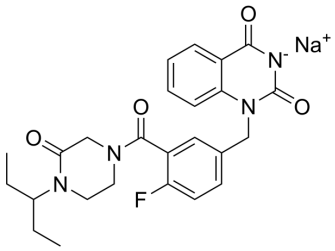
PARP7-IN-16

Cat. No.:	HY-156419
CAS No.:	2435657-10-4
Molecular Formula:	$C_{25}H_{26}FN_4NaO_4$
Molecular Weight:	488.49
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PARP7-IN-16 (compound 36) is a potent, selective and orally active inhibitor of PARP-1/2/7, with IC_{50}s of 0.94, 0.87 and 0.21 nM, respectively. PARP7-IN-16 can be used for the research of breast cancer and prostate cancer[1].		
IC_{50} & Target	PARP-1 0.94 nM (IC_{50})	PARP-2 0.87 nM (IC_{50})	PARP-7 0.21 nM (IC_{50})

REFERENCES

[1]. Zhou J, et, al. Discovery of Quinazoline-2,4(1 H,3 H)-dione Derivatives Containing a Piperizinone Moiety as Potent PARP-1/2 Inhibitors：Design, Synthesis, In Vivo Antitumor Activity, and X-ray Crystal Structure Analysis. J Med Chem. 2023 Oct 26;66(20):14095-14115.

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