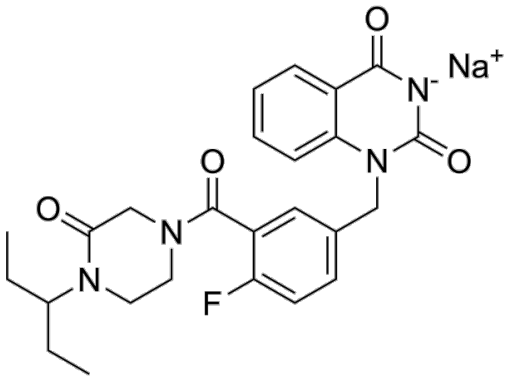
Product Data Sheet

Product Name: PARP7-IN-16
Cat. No.: GC73639

Chemical Properties

Cas. No.	2435657-10-4		
Formula	$C_{25}H_{26}FN_4NaO_4$	M.Wt	488.49
Solubility	DMSO : 100 mg/mL (204.71 mM; Need ultrasonic)	Storage	4°C, sealed storage, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

PARP7-IN-16 (compound 36) is a potent, selective and orally active inhibitor of PARP-1/2/7, with IC50s 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.

References:

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