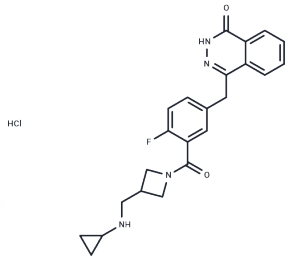
Data Sheet (Cat.No.T39147)

TargetMol

Venadaparib hydrochloride

Chemical Properties



CAS No. : 1681020-60-9

Formula: C23H24ClFN4O2

Molecular Weight: 442.92

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Venadaparib hydrochloride (IDX-1197) is a potent and selective PARP inhibitor exhibiting significant anticancer properties, particularly effective in solid tumor research.
Targets(IC50)	Others,PARP
In vitro	Venadaparib (example 143; 6-10 days) effectively inhibits the growth of MDA-MB-436 and Capan-1 pancreatic cancer cells, with IC50 values of ≤5nM and 50nM[2], respectively.
In vivo	In the germline BRCA1-mutated ovarian cancer patient-derived xenograft (PDX) model, oral administration of Venadaparib (IDX-1197) significantly inhibits PAR (>90%) in tumor tissues for up to 24 hours post-dosing and exhibits dose-dependent, potent tumor growth inhibition, surpassing that of the Olaparib treatment group[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2577 mL	11.2887 mL	22.5774 mL
5 mM	0.4515 mL	2.2577 mL	4.5155 mL
10 mM	0.2258 mL	1.1289 mL	2.2577 mL
50 mM	0.0452 mL	0.2258 mL	0.4515 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yong Man Kim, et al. First-in-human dose-finding study of venadaparib (IDX-1197), a potent and selective PARP inhibitor, in patients with advanced solid tumors. Journal of Clinical Oncology. 39, no. 15_suppl (May 20, 2021) 3107-3107.

Jae-Hoon Kang, et al. A novel phtalazinone derivatives and manufacturing process thereof. WO2015037939A1.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481