

Product Data Sheet

Product Name: Venadaparib

Cat. No.: GC62129

Chemical Properties

Cas. No. 1681017-83-3

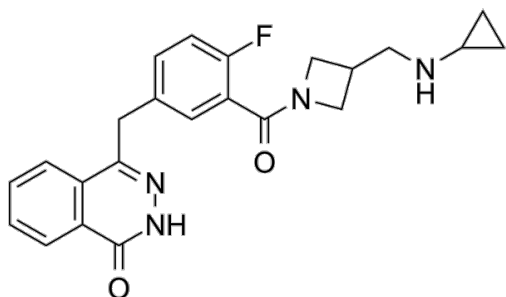
Formula $C_{23}H_{23}FN_4O_2$ M.Wt 406.45

Solubility DMSO : 100 mg/mL (246.03 mM; Need ultrasonic) Storage Store at -20°C

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

Venadaparib (IDX-1197) is a potent, selective and orally active PARP inhibitor with IC₅₀s of 1.4 nM and 1.0 nM for PARP1 and PARP2, respectively. Venadaparib does not sensitive to PARP-5.

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

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Venadaparib prevents the repair of DNA single-strand breaks (SSB) and can be used for solid tumors research[1][2].

In DNA damage-induced Hela cells, Venadaparib (IDX-1197) significantly inhibits PARP1-mediated PAR expression (EC50 of 0.5 nM)[1].

In the germline BRCA1-mutated ovarian cancer PDX model, oral administration of Venadaparib (IDX-1197) exhibits significant PAR inhibition (>90%) in tumor tissues until 24 hr post dose. Venadaparib also dose-dependently led to potent tumor growth inhibition compared to Olaparib treatment group[1].

[1]. Myongjae Lee, et al. Abstract A106: Development of IDX-1197, a novel, selective, and highly potent PARP inhibitor. American Association for Cancer Research, 2018.

[2]. 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.

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