
Product Data Sheet

Product Name: NMS-P515

Cat. No.: GC36751

Chemical Properties

Cas. No. 1262395-13-0

SMILES O=C(N)C1=C2C([C@H](C)N(C3CCN(C4CCCCC4)CC3)C2=O)=CC=C1Formula $C_{21}H_{29}N_3O_2$ M.Wt 355.47

Solubility Soluble in DMSO 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**

NMS-P515 is a potent, orally active and stereospecific PARP-1 inhibitor, with a Kd of 16 nM and an IC50 of 27 nM (in Hela cells). Anti-tumor activity[1]. PARP-1|16 nM (Kd)|PARP-1|27 nM (IC50, in Hela cells)

NMS-P515 (80 mg/kg, orally daily for 12 days) exhibits potent antitumor activity in mouse models based pancreatic cancer[1]. Animal Model: Subcutaneously implanted Capan-1 pancreatic (BRCA2-mutated) mouse xenografts[1].

[1]. Papeo G, et al. Discovery of Stereospecific PARP-1 Inhibitor Isoindolinone NMS-P515. ACS Med Chem Lett. 2019 Mar 13;10(4):534-538.

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

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