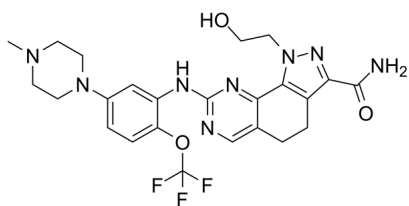


Data Sheet

Product Information

Catalog Number	BP10056
Product Name	Onvansertib
Description	NMS-P937 (NMS1286937), an oral, specific Polo-like Kinase 1 (PLK1) inhibitor, is with IC50 of 2 nM. The specificity of NMS-P937 for PLK1 is 5000-fold higher over PLK2/PLK3.
Targets&IC50	PLK1: 2 nM
In vitro	Cells are seeded into 96- or 384-well plates at densities ranging from 10,000 to 30,000/cm ² for adherent and 100,000/mL for nonadherent cells in appropriate medium supplemented with 10% fetal calf serum. After 24 hours, cells were treated in duplicate with serial dilutions of NMS-P937, and 72 hours later, the viable cell number was assessed by the CellTiter-Glo Assay (Promega). IC50 values were calculated with a sigmoidal fitting algorithm (Assay Explorer MDL). Experiments were carried out independently at least twice.(Only for Reference)
Synonyms	NMS-P937, NMS-1286937
CAS No.	1034616-18-6
Chemical Formula	C ₂₄ H ₂₇ F ₃ N ₈ O ₃
Molecular Weight	532.528
Solubility	Ethanol: 10 mg/mL (18.77 mM), warmed DMSO: 39 mg/mL (73.2 mM); H ₂ O: <1 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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v2 Revision on 12/28/2022