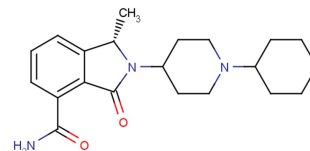


## Data Sheet (Cat.No.T16334)

NMS-P515

### Chemical Properties

CAS No.:	1262395-13-0
Formula:	C <sub>21</sub> H <sub>29</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	355.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	NMS-P515 is an effective, orally active, and stereospecific PARP-1 inhibitor (Kd: 16 nM and an IC <sub>50</sub> : 27 nM (in HeLa cells)). It has anti-tumor activity.
Targets(IC <sub>50</sub> )	PARP-1: 27 nM (in HeLa cells)
In vivo	NMS-P515 (80 mg/kg; p.o.; 12 days) shows effective antitumor activity in mouse models based on pancreatic cancer.

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.813 mL	14.066 mL	28.132 mL
5 mM	0.563 mL	2.813 mL	5.626 mL
10 mM	0.281 mL	1.407 mL	2.813 mL
50 mM	0.056 mL	0.281 mL	0.563 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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