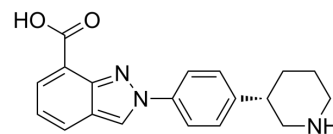


## Niraparib metabolite M1

<b>Cat. No.:</b>	HY-G0023		
<b>CAS No.:</b>	1476777-06-6		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	321.37		
<b>Target:</b>	Drug Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (311.17 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		3.1117 mL	15.5584 mL	31.1168 mL
	5 mM		0.6223 mL	3.1117 mL	6.2234 mL
	10 mM		0.3112 mL	1.5558 mL	3.1117 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.75 mg/mL (8.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.75 mg/mL (8.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.75 mg/mL (8.56 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Niraparib metabolite M1 is a metabolite of niraparib, and the latter one acts as a novel poly(ADP-Ribose) polymerase (PARP) inhibitor.

#### In Vitro

Niraparib metabolite M1 has the validation in plasma and urine for the support of clinical studies such as the mass balance study and the absolute bioavailability study<sup>[1]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. van Andel L, et al. Liquid chromatography-tandem mass spectrometry assay for the quantification of niraparib and its metabolite M1 in human plasma and urine. J Chromatogr B Analyt Technol Biomed Life Sci. 2016 Nov 19;1040:14-21

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

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