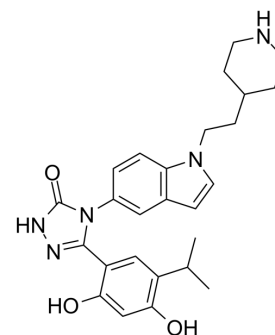


## DP-1

<b>Cat. No.:</b>	HY-132995		
<b>CAS No.:</b>	1472616-61-7		
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>31</sub> N <sub>5</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	461.56		
<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	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 25 mg/mL (54.16 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM		2.1666 mL	10.8328 mL	21.6657 mL
		5 mM		0.4333 mL	2.1666 mL	4.3331 mL
10 mM			0.2167 mL	1.0833 mL	2.1666 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: 2.5 mg/mL (5.42 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.42 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (5.42 mM); Clear solution</li> </ol>					

## BIOLOGICAL ACTIVITY

<b>Description</b>	DP-1, a degradation product of SDC-TRAP-0063, is a fragment of Ganetespib. Ganetespib is a heat shock protein 90 (HSP90) inhibitor with anti-tumor activity <sup>[1]</sup> .
<b>In Vivo</b>	DP-1 is the SDC-TRAP-0063 degradation product which can be found in plasma, tumor and heart <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]. Chimmanamada DU, et, al. Targeted therapeutics. US20140079636A1.

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

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