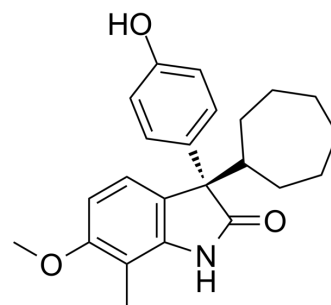


## Necrocid 1

<b>Cat. No.:</b>	HY-14307		
<b>CAS No.:</b>	1247028-61-0		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>27</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	365.47		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<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 : 100 mg/mL (273.62 mM; Need ultrasonic)			
		<b>Solvent</b>	<b>Mass</b>	
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>
	<b>Preparing Stock Solutions</b>		<b>10 mg</b>	
	<b>1 mM</b>	2.7362 mL	13.6810 mL	27.3620 mL
	<b>5 mM</b>	0.5472 mL	2.7362 mL	5.4724 mL
	<b>10 mM</b>	0.2736 mL	1.3681 mL	2.7362 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (6.84 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.84 mM); Clear solution; Need ultrasonic 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.84 mM); Clear solution; Need ultrasonic			

### BIOLOGICAL ACTIVITY

<b>Description</b>	Necrocid 1 (compound (S)-38) a potent anticancer agent. Necrocid 1 has antiproliferative activity with an IC <sub>50</sub> value of 0.48 and 2 nM for MCF-7 and PC3, respectively <sup>[1]</sup> .
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### REFERENCES

[1]. Christensen MK, et, al. Synthesis and antitumor effect in vitro and in vivo of substituted 1,3-dihydroindole-2-ones. J Med Chem. 2010 Oct 14;53(19):7140-5.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA