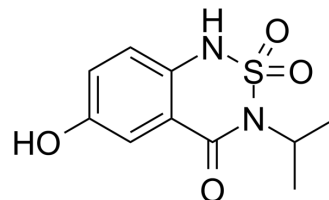


## 6-Hydroxybentazon

<b>Cat. No.:</b>	HY-100052		
<b>CAS No.:</b>	60374-42-7		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S		
<b>Molecular Weight:</b>	256.28		
<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

#### In Vitro

DMSO : 250 mg/mL (975.50 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9020 mL	19.5099 mL	39.0198 mL
	5 mM	0.7804 mL	3.9020 mL	7.8040 mL
	10 mM	0.3902 mL	1.9510 mL	3.9020 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: ≥ 2.08 mg/mL (8.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

6-Hydroxybentazon is a phase I metabolite of bentazone, and bentazone is a chemical for use in herbicides.

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

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