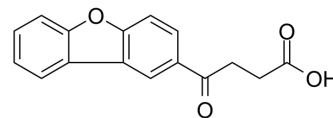


## Furobufen

Cat. No.:	HY-105808		
CAS No.:	38873-55-1		
Molecular Formula:	C <sub>16</sub> H <sub>12</sub> O <sub>4</sub>		
Molecular Weight:	268.26		
Target:	Others		
Pathway:	Others		
Storage:	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 (372.77 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.7277 mL	18.6386 mL	37.2773 mL
		5 mM	0.7455 mL	3.7277 mL	7.4555 mL
10 mM		0.3728 mL	1.8639 mL	3.7277 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<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: ≥ 2.08 mg/mL (7.75 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.75 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (7.75 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	Furobufen, an anti-inflammatory agent, produces antiarthritic, antipyretic effects. Furobufen has an analgesic effect in inflamed tissue <sup>[1]</sup> .
In Vivo	Furobufen (po; 10, 30, 90 mg/kg; once daily; 7 days) produces a dose-related inhibition of the paw edema produced by carrageenan in male rats weighing 180-200 g <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]. Martel RR, et al. Anti-inflammatory properties of furobufen. Can J Physiol Pharmacol. 1974 Jun;52(3):669-73.

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

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