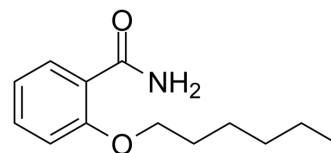


## Exalamide

<b>Cat. No.:</b>	HY-B1224		
<b>CAS No.:</b>	53370-90-4		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>19</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	221.3		
<b>Target:</b>	Fungal		
<b>Pathway:</b>	Anti-infection		
<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 : 100 mg/mL (451.88 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5188 mL	22.5938 mL	45.1875 mL
	5 mM	0.9038 mL	4.5188 mL	9.0375 mL
	10 mM	0.4519 mL	2.2594 mL	4.5188 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: ≥ 2.5 mg/mL (11.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Exalamide (2-(Hexyloxy)benzamide), an arenecarboxamide, is a potent antifungal agent<sup>[1]</sup>.

### REFERENCES

[1]. T Kusunoki, et al. Comparison of the in vitro antifungal activities of clotrimazole, miconazole, econazole and exalamide against clinical isolates of dermatophytes. J

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

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