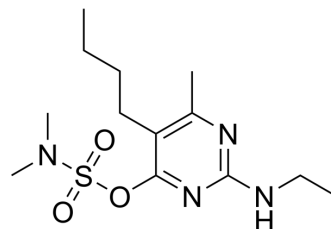


## Bupirimate

<b>Cat. No.:</b>	HY-133216
<b>CAS No.:</b>	41483-43-6
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>24</sub> N <sub>4</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	316.42
<b>Target:</b>	Fungal
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (316.04 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.1604 mL	15.8018 mL	31.6036 mL
		<b>5 mM</b>		0.6321 mL	3.1604 mL	6.3207 mL
<b>10 mM</b>		0.3160 mL	1.5802 mL	3.1604 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 >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.90 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Bupirimate possesses antifungal activity. Bupirimate is compatible with most of fungicides, insecticides and adjuvants, with very limited exceptions on some crops <sup>[1]</sup> .
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### REFERENCES

[1]. NK Adhikary, et al. Evaluation of bupirimate against rose powdery mildew. Journal of Applied & Natural Science, 2017, Vol 9, Issue 4, p2188.

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**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