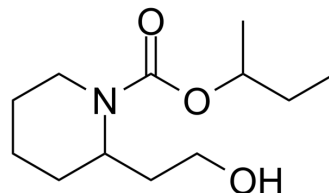


## Picaridin

Cat. No.:	HY-116144
CAS No.:	119515-38-7
Molecular Formula:	C <sub>12</sub> H <sub>23</sub> NO <sub>3</sub>
Molecular Weight:	229.32
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (1090.18 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.3607 mL	21.8036 mL	43.6072 mL
		5 mM	0.8721 mL	4.3607 mL	8.7214 mL
10 mM	0.4361 mL	2.1804 mL	4.3607 mL		
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (9.07 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (9.07 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (9.07 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Picaridin (Lcaridin) is a broad spectrum arthropod repellent. The repellent and deterrent activities of Picaridin involve olfactory sensing in mosquitoes, and ticks, via their interactions with odorant receptor proteins <sup>[1]</sup> .
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### CUSTOMER VALIDATION

- Int J Mol Sci. 2022, 23(17), 9696.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Jonathan D. Bohbot, et al. Insect Repellents: Modulators of Mosquito Odorant Receptor Activity. PLoS One. 2010; 5(8): e12138.

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

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