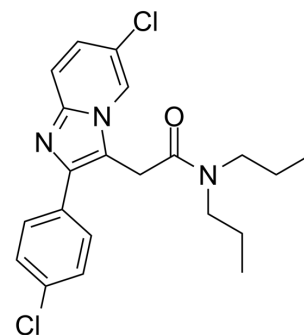


Alpidem

Cat. No.:	HY-W013150		
CAS No.:	82626-01-5		
Molecular Formula:	C ₂₁ H ₂₃ Cl ₂ N ₃ O		
Molecular Weight:	404.34		
Target:	GABA Receptor		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (61.83 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4732 mL	12.3658 mL	24.7317 mL
	5 mM	0.4946 mL	2.4732 mL	4.9463 mL
	10 mM	0.2473 mL	1.2366 mL	2.4732 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Alpidem selectively binds to $\alpha 1\beta 2\gamma 2$ subunit-containing GABA_A receptor with an IC₅₀ of 17 nM and exerts anxiolytic effect^[1].

REFERENCES

[1]. Faure-Halley C, et al. Expression and properties of recombinant alpha 1 beta 2 gamma 2 and alpha 5 beta 2 gamma 2 forms of the rat GABAA receptor. Eur J Pharmacol. 1993 Aug 15;246(3):283-7.

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

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