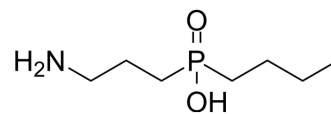


CGP 36742

Cat. No.:	HY-121599		
CAS No.:	123690-78-8		
Molecular Formula:	C ₇ H ₁₈ NO ₂ P		
Molecular Weight:	179.2		
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

H₂O : 125 mg/mL (697.54 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.5804 mL	27.9018 mL	55.8036 mL
	5 mM	1.1161 mL	5.5804 mL	11.1607 mL
	10 mM	0.5580 mL	2.7902 mL	5.5804 mL

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

BIOLOGICAL ACTIVITY

Description

CGP 36742 is a selective GABA_B receptor antagonist that can penetrate the blood–brain barrier after peripheral administration, with an IC₅₀ of 32 μM. CGP 36742 is useful in treatment of depression^[1].

IC₅₀ & Target

IC₅₀: 32 μM (GABA_B)^[1]

REFERENCES

[1]. Nowak G, et al. Antidepressant-like activity of CGP 36742 and CGP 51176, selective GABA_B receptor antagonists, in rodents. Br J Pharmacol. 2006 Nov;149(5):581-90.

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

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA