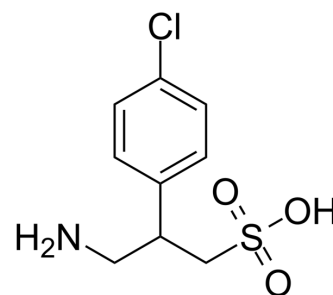


Saclofen

Cat. No.:	HY-100813	
CAS No.:	125464-42-8	
Molecular Formula:	C ₉ H ₁₂ ClNO ₃ S	
Molecular Weight:	249.71	
Target:	GABA Receptor	
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 10 mg/mL (40.05 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.0046 mL	20.0232 mL	40.0465 mL
5 mM	0.8009 mL	4.0046 mL	8.0093 mL
10 mM	0.4005 mL	2.0023 mL	4.0046 mL

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

BIOLOGICAL ACTIVITY

Description

Saclofen is a competitive antagonist of the GABA_B receptor with an IC₅₀ of 7.8 μM. Saclofen can be used to determine the functional roles for the GABA_B receptor as a mediator of slow inhibitory postsynaptic potentials in the brain^[1].

CUSTOMER VALIDATION

- J Adv Res. 2023 Jun 21;S2090-1232(23)00171-6.
- Research Square Print. September 19th, 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sallam MY, et al. Central GABAA receptors are involved in inflammatory and cardiovascular consequences of endotoxemia in conscious rats. Naunyn Schmiedebergs Arch Pharmacol. 2016 Mar;389(3):279-88.

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