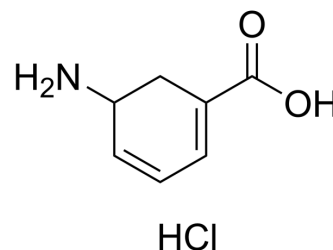


DL-Gabaculine hydrochloride

Cat. No.:	HY-15377
CAS No.:	59556-17-1
Molecular Formula:	C ₇ H ₁₀ ClNO ₂
Molecular Weight:	175.61
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (113.89 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	5.6944 mL	28.4722 mL	56.9444 mL	
		5 mM	1.1389 mL	5.6944 mL	11.3889 mL	
		10 mM	0.5694 mL	2.8472 mL	5.6944 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	DL-Gabaculine hydrochloride is a neurotoxin that irreversibly inhibits bacterial pyridoxal phosphate linked γ-aminobutyric acid-α-ketoglutaric acid transaminase with a K _i of 2.86 μM ^[1] .
IC ₅₀ & Target	γ-aminobutyric acid-α-ketoglutaric acid transaminase ^[1]

REFERENCES

[1]. Rando R R. Mechanism of the irreversible inhibition of γ-aminobutyric acid-α-ketoglutaric acid transaminase by the neurotoxin gabaculine. *Biochemistry*, 1977, 16(21): 4604-4610.

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

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