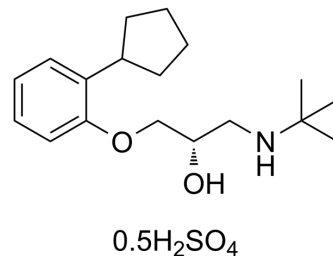


Penbutolol sulfate

Cat. No.:	HY-B1154
CAS No.:	38363-32-5
Molecular Formula:	$C_{18}H_{29}NO_2 \cdot \frac{1}{2} H_2O_4S$
Molecular Weight:	340
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°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

H₂O : 1.67 mg/mL (4.91 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9412 mL	14.7059 mL	29.4118 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Penbutolol sulfate is able to bind to both beta-1 adrenergic receptors and beta-2 adrenergic receptors (the two subtypes), thus making it a non-selective β blocker. Penbutolol is a sympathomimetic drug used in the treatment of high blood pressure.

CUSTOMER VALIDATION

- J Pharmaceut Biomed. 2020, 113870.

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

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