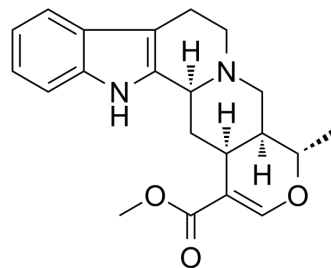


Tetrahydroalstonine

Cat. No.:	HY-N1163
CAS No.:	6474-90-4
Molecular Formula:	C ₂₁ H ₂₄ N ₂ O ₃
Molecular Weight:	352.43
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (283.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8374 mL	14.1872 mL	28.3744 mL
	5 mM	0.5675 mL	2.8374 mL	5.6749 mL
	10 mM	0.2837 mL	1.4187 mL	2.8374 mL

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

BIOLOGICAL ACTIVITY

Description

Tetrahydroalstonine, an indole alkaloid isolated from the fruits of *Rhazya stricta*, is a selective alpha 2-adrenoceptor antagonist^{[1][2]}.

REFERENCES

[1]. Malik S, et al. Tetrahydroalstonine from Fruits of *Rhazya stricta*. *Planta Med.* 1984 Jun;50(3):283.

[2]. Roquebert J, et al. Inhibition of the alpha 1 and alpha 2-adrenoceptor-mediated pressor response in pithed rats by raubasine, tetrahydroalstonine and akuammigine. *Eur J Pharmacol.* 1984 Oct 30;106(1):203-5. <https://www.ncbi.nlm.nih.gov/pubmed/6099269>

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