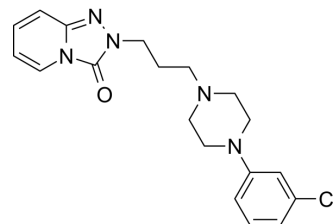


Trazodone

Cat. No.:	HY-B0478A
CAS No.:	19794-93-5
Molecular Formula:	C ₁₉ H ₂₂ ClN ₅ O
Molecular Weight:	371.86
Target:	5-HT 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 (268.92 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6892 mL	13.4459 mL	26.8918 mL
				5 mM	0.5378 mL	2.6892 mL	5.3784 mL
				10 mM	0.2689 mL	1.3446 mL	2.6892 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.72 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.72 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.72 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Trazodone (AF-1161 free base) is a serotonin receptor antagonist and reuptake inhibitor. Trazodone can be used for the research of major depressive disorder. Trazodone also has potential for sleep disorder research ^[1] .
-------------	---

CUSTOMER VALIDATION

- Clin Chem. 2019 Dec;65(12):1522-1531.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Fagiolini A, et, al. Rediscovering trazodone for the treatment of major depressive disorder. CNS Drugs. 2012 Dec;26(12):1033-49.

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