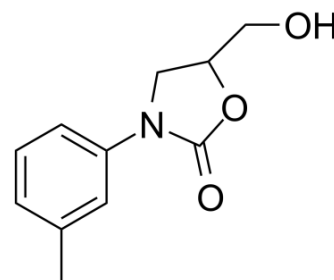


Toloxatone

Cat. No.:	HY-14196
CAS No.:	29218-27-7
Molecular Formula:	C ₁₁ H ₁₃ NO ₃
Molecular Weight:	207.23
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.



Solvent & Solubility

In Vitro	DMSO : 125 mg/mL (603.19 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	4.8256 mL	24.1278 mL	48.2556 mL
			5 mM	0.9651 mL	4.8256 mL	9.6511 mL
10 mM	0.4826 mL	2.4128 mL	4.8256 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: ≥ 2.08 mg/mL (10.04 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (10.04 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (10.04 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Toloxatone (MD 69276) is a reversible monoamine oxidase A (MAO_A) inhibitor ^[1] . Antidepressant ^[1] .
IC ₅₀ & Target	MAO _A ^[1]

REFERENCES

[1]. FMoureau, et al. A reversible monoamine oxidase inhibitor, toloxatone: spectrophotometric and molecular orbital studies of the interaction with flavin adenine dinucleotide (FAD). European Journal of Medicinal Chemistry. 1994, 29(4):269-277.

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

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