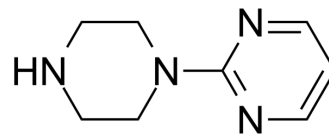


2-(1-Piperazinyl)pyrimidine

Cat. No.:	HY-W004464		
CAS No.:	20980-22-7		
Molecular Formula:	C ₈ H ₁₂ N ₄		
Molecular Weight:	164.21		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (608.98 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.0898 mL	30.4488 mL	60.8976 mL
		5 mM	1.2180 mL	6.0898 mL	12.1795 mL
10 mM		0.6090 mL	3.0449 mL	6.0898 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 (15.22 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.22 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	2-(1-Piperazinyl)pyrimidine is the major metabolite of Tandospirone (HY-14558) ^[1] .
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REFERENCES

[1]. Zhang XD, et, al. The effect of apatinib on pharmacokinetic profile of buspirone both in vivo and in vitro. J Pharm Pharmacol. 2020 Oct;72(10):1405-1411.

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

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