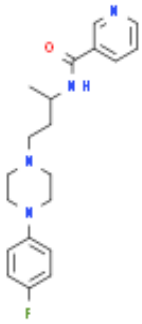
Product Data Sheet

Cas No.:	27367-90-4	Cat. No:	PL14953
Product Name:	Niaprazine		
Product synonym:	尼普拉嗪		
Chemical name:	Niaprazine		
MF:	C20H25N4OF	FW:	356.4371
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	FC1C=CC(N2CCN(CCC(NC(=O)C3C=CC=NC=3)C)CC2)=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Niaprazine 是一种组胺 H1 受体 (histamine H1-receptor) 拮抗剂。Niaprazine 具有抗组胺和抗血清素活性，并可用于睡眠障碍的研究。

生物活性	Niaprazine is a histamine H1-receptor antagonist. Niaprazine has antihistamine and antiserotonin activities and can be used for sleep disorder research.
体外研究(In Vitro)	Niaprazine exhibits a low affinity for the vesicular monoamine transporter and for D2, α2, β, H1 and mAch receptors. Niaprazine, particularly the (+)stereoisomer, has a higher affinity for α1 (Ki = 77 nM) and 5-HT2 (Ki = 25 nM) binding sites, but is poorly recognized by 5-HT1A and 5-HT1B binding sites. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Niaprazine (60 mg/kg; i.p.; once) treatment increases rat brain 5-hydroxyindole acetic acid (5-HIAA) concentrations 30 min after treatment, and reduced them at 3-8 hr after treatment. Niaprazine also produces a short-lasting depletion of rat brain noradrenaline (NA) and dopamine (DA). has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years； 4°C 2 years

溶解度数据	In Vitro: DMSO : 100 mg/mL (280.55 mM; Need ultrasonic)配制储备液