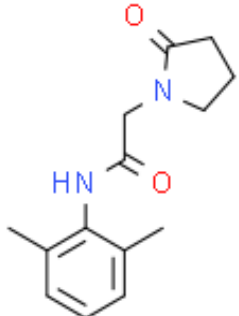


Product Data Sheet

Cas No.:	77191-36-7	Cat. No:	PL05326
Product Name:	Nefiracetam		
Product synonym:	奈非西坦;N-(2,6-二甲基苯基)-2-氧代-1-吡咯烷乙酰胺;N-(2,6-二甲苯基)-2-氯乙酰胺;Nefiracetam 奈非西坦;N-(2,6-二甲苯基)-2-(2-氧吡咯烷-1-基)乙酰胺		
Chemical name:	Nefiracetam		
MF:	C14H18N2O2	FW:	246.30492
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C(NC1=C(C)C=CC=C1C)CN2C(CCC2)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Nefiracetam作用于Ro 5-4864引起的抽搐，是GABAergic，胆碱及单胺类的神经系统增强剂。

生物活性	Nefiracetam is a GABAergic, cholinergic, and monoaminergic neuronal systems enhancer for Ro 5-4864-induced convulsions. Target: GABA Receptor Nefiracetam induces a short-term depression of ACh-evoked currents at submicromolar concentrations (0.01-0.1 μM) and a long-term enhancement of the currents at micromolar concentrations (1-10 μM). Nefiracetam interacts with PKA and PKC pathways, which may explain a cellular mechanism for the action of cognition-enhancing agents. Lower (submicromolar) concentrations of the nootropic Nefiracetam reduces ACh-evoked currents to 30% (0.01 μM) and 38% (0.1 μM) of control after a 10-minute treatment [1]. Nefiracetam administered orally inhibits Ro 5-4864-induced convulsions in EL mice. Nefiracetam also efficiently inhibits Ro 5-4864-induced convulsions in DDY mice at doses higher than 10 mg/kg [2]. Nefiracetam administered daily 1 hour befo
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : ≥ 100 mg/mL (406.01 mM)H ₂ O : ≥ 25 mg/mL (101.50 mM)