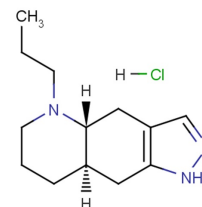


Quinpirole Hydrochloride

Chemical Properties

CAS No.:	85798-08-9
Formula:	C ₁₃ H ₂₂ ClN ₃
Molecular Weight:	255.79
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Quinpirole Hydrochloride is a high-affinity dopamine D ₂ /D ₃ receptor agonist.
Targets(IC ₅₀)	D ₂ : None
In vivo	Post mortem changes in central dopaminergic terminal regions following acute or chronic treatment regimens with the dopamine D ₂ /D ₃ receptor agonist quinpirole, a psychomotor stimulant which induces pronounced behavioural sensitization when given chronically. Drug-induced changes in nucleus accumbens, striatum and amygdala were bilateral in nature, while in prefrontal cortex (medial prefrontal and anterior cingulate combined), left and right brain regions responded differentially to quinpirole

Solubility Information

Solubility	DMSO: 31.25 mg/mL (122.17 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.909 mL	19.547 mL	39.095 mL
5 mM	0.782 mL	3.909 mL	7.819 mL
10 mM	0.391 mL	1.955 mL	3.909 mL
50 mM	0.078 mL	0.391 mL	0.782 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sullivan RM, et al. Effects of quinpirole on central dopamine systems in sensitized and non-sensitized rats. Neuroscience. 1998 Apr;83(3):781-9.

Inhibitors · Natural Compounds · Compound Libraries

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