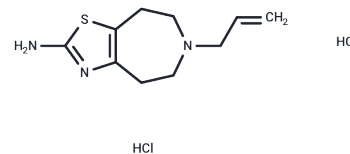


Talipexole dihydrochloride

Chemical Properties

CAS No. :	36085-73-1
Formula:	C ₁₀ H ₁₇ Cl ₂ N ₃ S
Molecular Weight:	282.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Talipexole dihydrochloride (Domnin) is a dopamine D2 receptor agonist, α 2-adrenoceptor agonist, and 5-HT ₃ receptor antagonist in both rat cortical and intestinal membrane fractions with K _i values of 0.35 μ M and 0.22 μ M, respectively. It displays antiParkinsonian activity.
Targets(IC ₅₀)	Dopamine Receptor,5-HT Receptor,Adrenergic Receptor
In vivo	Intracisternal injection of 10 μ g/kg Talipexole dihydrochloride promotes vagal-mediated reflex bradycardia induced by injection of angiotensin in β -adrenoceptor-blocked dogs. Intravenous administration of Talipexole dihydrochloride at 30 mcg/kg initially caused an increase in blood pressure in cats. Then there is the long-term drop in blood pressure and heart rate[4].

Solubility Information

Solubility	DMSO: 22.5 mg/mL (79.72 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5432 mL	17.716 mL	35.4321 mL
5 mM	0.7086 mL	3.5432 mL	7.0864 mL
10 mM	0.3543 mL	1.7716 mL	3.5432 mL
50 mM	0.0709 mL	0.3543 mL	0.7086 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Ricci and Taira Adrenoceptor involvement in the cardiovascular responses to B-HT 920 in sinoaortic denervated rats. Gen.Pharmacol. (1999)32 29.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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