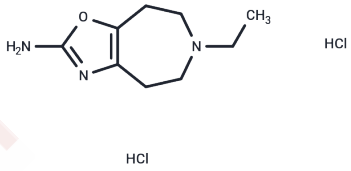
Data Sheet (Cat.No.T21787)

TargetMol

B-HT 933 dihydrochloride

Chemical Properties



CAS No. : 36067-72-8

Formula: C9H17Cl2N3O

Molecular Weight: 254.16

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Azepexole dihydrochloride (B-HT 933), a potent and selective alpha 2-adrenoceptor agonist, exhibits affinity for α2A-, α2B-, and α2C-adrenoceptor subtypes with pKis of 8.3, 7.6, and 7.5, respectively [1]. It elicits a concentration-dependent inhibition of peristaltic contractions, evidenced by an IC50 of 78.72 nM.
Targets(IC50)	Others,Adrenergic Receptor
In vitro	In normoglycemic rats, Azepexole dihydrochloride dose-dependently inhibits sympathetically-induced vasopressor responses at 1 and 3 μg/kg.min (i.v.), with no further inhibition observed at doses of 10 and 30 μg/kg.min. Conversely, in diabetic rats, 1 and 3 μg/kg.min doses of Azepexole dihydrochloride do not alter electrically-induced vasopressor responses, whereas all frequencies of stimulation are significantly reduced by 10 μg/kg.min B-HT 933 dihydrochloride. At a dose of 30 μg/kg.min, Azepexole dihydrochloride similarly achieves supramaximal inhibition of these responses.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9345 mL	19.6726 mL	39.3453 mL
5 mM	0.7869 mL	3.9345 mL	7.8691 mL
10 mM	0.3935 mL	1.9673 mL	3.9345 mL
50 mM	0.0787 mL	0.3935 mL	0.7869 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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