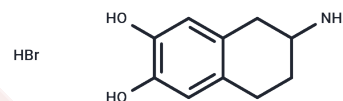


ADTN hydrobromide

Chemical Properties

CAS No. :	13575-86-5
Formula:	C10H14BrNO2
Molecular Weight:	260.13
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	ADTN hydrobromide (6,7-ADTN) is a dopamine receptor agonist (EC50s = 3.5 and 0.65 μ M in rat striatal and nucleus accumbens homogenates, respectively). ADTN hydrobromide stimulates production of cAMP in rat striatal homogenates, a process that is reduced by 70% in the presence of the dopamine antagonist fluphenazine at a concentration of 1 μ M.
Targets(IC50)	Others,Dopamine Receptor
In vivo	In vivo, 6,7-ADTN induces hyperlocomotion in rats when injected bilaterally at a dose of 100 nmol per side into the nucleus accumbens. It increases cAMP production and glycoprotein secretion in the albumen gland of H. duryi (snail). It also reduces sucrose feeding in R. maderae (cockroach) nymphs.

Solubility Information

Solubility	H2O: 100 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8442 mL	19.2212 mL	38.4423 mL
5 mM	0.7688 mL	3.8442 mL	7.6885 mL
10 mM	0.3844 mL	1.9221 mL	3.8442 mL
50 mM	0.0769 mL	0.3844 mL	0.7688 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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