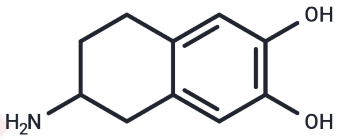
Data Sheet (Cat.No.T23643)

TargetMol

ADTN

Chemical Properties



CAS No. : 53463-78-8

Formula: C10H13NO2

Molecular Weight: 179.22

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 is an agonist of the dopamine receptor.
Targets(IC50)	Others,Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5797 mL	27.8987 mL	55.7973 mL
5 mM	1.1159 mL	5.5797 mL	11.1595 mL
10 mM	0.558 mL	2.7899 mL	5.5797 mL
50 mM	0.1116 mL	0.558 mL	1.1159 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.

Reference

Pinheiro T, Otrocka M, Seashore-Ludlow B, Rraklli V, Holmberg J, Forsberg-Nilsson K, Simon A, Kirkham M. Reprint of: A chemical screen identifies trifluoperazine as an inhibitor of glioblastoma growth. Biochem Biophys Res Commun. 2018 May 5;499(2):136-142. doi: 10.1016/j.bbrc.2018.03.001. Epub 2018 Mar 23. PubMed PMID: 29580626.

Pinheiro T, Otrocka M, Seashore-Ludlow B, Rraklli V, Holmberg J, Forsberg-Nilsson K, Simon A, Kirkham M. A chemical screen identifies trifluoperazine as an inhibitor of glioblastoma growth. Biochem Biophys Res Commun. 2017 Dec 16;494(3-4):477-483. doi: 10.1016/j.bbrc.2017.10.106. Epub 2017 Oct 21. PubMed PMID: 29066348.

Rivarola MA, Dalmasso C, Valdez DJ, Vivas LM, Suárez MM. Early maternal separation and chronic variable stress as adults differentially affect Fos expression in the anterodorsal thalami nuclei. Int J Neurosci. 2008 May;118(5):735-48. doi: 10.1080/00207450701750430. PubMed PMID: 18446587.

Nicola SM, Kombian SB, Malenka RC. Psychostimulants depress excitatory synaptic transmission in the nucleus accumbens via presynaptic D1-like dopamine receptors. J Neurosci. 1996 Mar 1;16(5):1591-604. PubMed PMID: 8774428.