

ADX-10061

## Chemical Properties

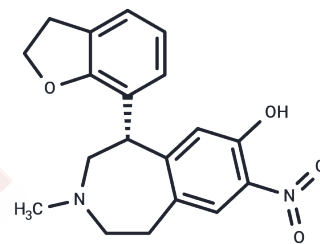
CAS No. : 128022-68-4

Formula: C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 340.37

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	ADX-10061 is a dopamine D1 receptor antagonist.
Targets(IC50)	Others,AChR,Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.938 mL	14.6899 mL	29.3798 mL
5 mM	0.5876 mL	2.938 mL	5.876 mL
10 mM	0.2938 mL	1.469 mL	2.938 mL
50 mM	0.0588 mL	0.2938 mL	0.5876 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

Grodum E, Andersen M, Hangaard J, Koldkjaer O, Hagen C. Lack of effect of the dopamine D1 antagonist, NNC 01-0687, on unstimulated and stimulated release of anterior pituitary hormones in males. *J Endocrinol Invest*. 1998 May;21(5):291-7. PubMed PMID: 9648050.

Skrumsager BK, Christensen JV, Snel S, Seiberling M. Tolerability, safety and pharmacokinetics of single dose and multiple dosing of the selective D1 antagonist NNC 01-0687 in healthy subjects. *Psychopharmacology (Berl)*. 1995 Oct;121(3):294-9. PubMed PMID: 8584609.

Karle J, Clemmesen L, Hansen L, Andersen M, Andersen J, Fensbo C, Sloth-Nielsen M, Skrumsager BK, Lublin H, Gerlach J. NNC 01-0687, a selective dopamine D1 receptor antagonist, in the treatment of schizophrenia. *Psychopharmacology (Berl)*. 1995 Oct;121(3):328-9. PubMed PMID: 8584614.

Christensen JV. Determination of (+)-5-(2,3-dihydrobenzofuran-7-yl)-3-methyl-8-nitro-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ol (NNC 01-0687), a novel dopamine D-1 receptor antagonist, in plasma by solid-phase extraction and high-performance liquid chromatography. *J Chromatogr*. 1992 Jun 10;577(2):366-70. PubMed PMID: 1301070.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481