Data Sheet (Cat.No.T29913L)

TargetMol

Altanserin tartrate

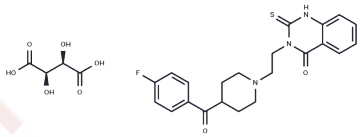
Chemical Properties

CAS No. : 79449-96-0

Formula: C26H28FN3O8S

Molecular Weight: 561.58

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	Altanserin tartrate is a compound that binds to the 5-HT2A receptor. Labeled with the isotope fluorine-18 it is used as a radioligand in positron emission tomography (PET) studies of the brain.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7807 mL	8.9035 mL	17.8069 mL
5 mM	0.3561 mL	1.7807 mL	3.5614 mL
10 mM	0.1781 mL	0.8903 mL	1.7807 mL
50 mM	0.0356 mL	0.1781 mL	0.3561 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

Kroll T, Elmenhorst D, Matusch A, Celik AA, Wedekind F, Weisshaupt A, Beer S, Bauer A. [^{18}F]Altanserin and small animal PET: impact of multidrug efflux transporters on ligand brain uptake and subsequent quantification of 5-HT_2A receptor densities in the rat brain. Nucl Med Biol. 2014 Jan;41(1):1-9. doi: 10.1016/j.nucmedbio.2013.09.001. Epub 2013 Oct 9. PubMed PMID: 24120220.

Hansen HD, Ettrup A, Herth MM, Dyssegaard A, Ratner C, Gillings N, Knudsen GM. Direct comparison of [(18) F]MH. MZ and [(18) F] altanserin for 5-HT2A receptor imaging with PET. Synapse. 2013 Jun;67(6):328-37. doi: 10.1002 /syn.21643. Epub 2013 Mar 7. PubMed PMID: 23390031.

Ettrup A, Svarer C, McMahon B, da Cunha-Bang S, Lehel S, Møller K, Dyssegaard A, Ganz M, Beliveau V, Jørgensen LM, Gillings N, Knudsen GM. Serotonin 2A receptor agonist binding in the human brain with [(11)C]Cimbi-36: Test-retest reproducibility and head-to-head comparison with the antagonist [(18)F]altanserin. Neuroimage. 2016 Apr 15;130:167-174. doi: 10.1016/j.neuroimage.2016.02.001. Epub 2016 Feb 11. PubMed PMID: 26876490.

Kroll T, Elmenhorst D, Matusch A, Wedekind F, Weisshaupt A, Beer S, Bauer A. Suitability of [18F]altanserin and PET to determine 5-HT2A receptor availability in the rat brain: in vivo and in vitro validation of invasive and non-invasive kinetic models. Mol Imaging Biol. 2013 Aug;15(4):456-67. doi: 10.1007/s11307-013-0621-3. Epub 2013 Mar 1. PubMed PMID: 23456885.