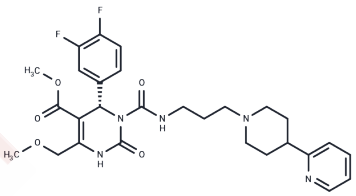
Data Sheet (Cat.No.T15688)

TargetMol

L-771688

Chemical Properties



CAS No. : 200050-59-5

Formula: C28H33F2N5O5

Molecular Weight: 557.59

Storage: Store at low temperature
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	L-771688 (SNAP 6383) is a novel potent and selective α1A-adrenoceptor antagonist with a Ki value of 0.43±0.02 nM.L-771688 KE is used for the treatment of benign prostatic hyperplasia.
Targets(IC50)	Adrenergic Receptor
In vitro	Highly potent inhibition of specific [3H]L-771688 binding to cloned human α1A-Adrenoceptors is observed with subtype-selective compounds GG818 (Ki=0.026±0.002 nM) and L-771688 (Ki=0.052±0.008 nM), as well as subtype non-selective α1-adrenoceptor antagonists prazosin (Ki=0.088±0.032 nM) and terazosin (Ki=1.8±0.65 nM). The relative amount of [3H]L-771688 (0.5 nM) binding in various rat tissue membranes is highest in the submaxillary gland (9.5 pmol/g tissue), followed by the brain (5.8 pmol/g tissue), vas deferens (4.3 pmol/g tissue), kidney (3.4 pmol/g tissue), heart (1.5 pmol/g tissue), urethra (1.1 pmol/g tissue), and prostate (0.88 pmol/g tissue). In contrast, low specific [3H]L-771688 binding is observed in rat urinary bladder (0.55 pmol/g tissue), liver (0.44 pmol/g tissue), aorta (0.11 pmol/g tissue), and spleen (0.11 pmol/g tissue)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7934 mL	8.9672 mL	17.9343 mL
5 mM	0.3587 mL	1.7934 mL	3.5869 mL
10 mM	0.1793 mL	0.8967 mL	1.7934 mL
50 mM	0.0359 mL	0.1793 mL	0.3587 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

Chang RS, et al. In vitro studies on L-771,688 (SNAP 6383), a new potent and selective alpha1A-adrenoceptor antagonist. Eur J Pharmacol. 2000 Dec 15;409(3):301-12.

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