5-Methylurapidil

Catalog Number U101
Store at Room Temperature

CAS RN 34661-85-3
Synonym: 5-Methyl-6-[(3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl)amino]-1,3-dimethyluracil

Product Description
Molecular Formula: C21H31N5O3
Molecular Weight: 401.50

5-Methylurapidil is a selective α1A-adrenoceptor antagonist and has antihypertensive activity. It has the following binding properties:

K_D at α1A-adrenoceptors = 0.89 nM (rat brain cortex), with B_max = 116 fmole/mg protein;
K_D at 5-HT_1A serotonin receptors = 0.84 nM (rat brain cortex), with B_max = 235 fmole/mg protein.

It does not bind to purified liver cell membranes (α1B-adrenoceptors).^{3}

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions
The product is soluble in 0.1 N HCl (3.8 mg/ml).

Storage/Stability
It is recommended to store the product tightly sealed at room temperature.

References

MAM 08/10-1

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