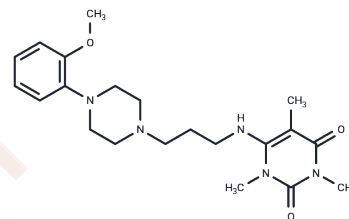


5-Methylurapidil

Chemical Properties

CAS No. :	34661-85-3
Formula:	C ₂₁ H ₃₁ N ₅ O ₃
Molecular Weight:	401.5
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	5-Methylurapidil is an alpha1A-adrenoceptor antagonist.
Targets(IC50)	Others,Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4907 mL	12.4533 mL	24.9066 mL
5 mM	0.4981 mL	2.4907 mL	4.9813 mL
10 mM	0.2491 mL	1.2453 mL	2.4907 mL
50 mM	0.0498 mL	0.2491 mL	0.4981 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

- Arce C, Vicente D, Segura V, Flacco N, Montó F, Almenar L, Agüero J, Rueda J, Jiménez-Altayó F, Vila E, Noguera MA, D'Ocon P, Ivorra MD. Activation of $\alpha(1A)$ -adrenoceptors desensitizes the rat aorta response to phenylephrine through a neuronal NOS pathway, a mechanism lost with ageing. *Br J Pharmacol*. 2017 Jul;174(13):2015-2030. doi: 10.1111/bph.13800. Epub 2017 May 10. PubMed PMID: 28369791; PubMed Central PMCID: PMC5466529.
- Kazi RN, Sattar MA, Johns EJ. Antidiuretic and antinatriuretic response to high salt load in normotensive Wistar-Kyoto rats: Role of alpha-1A-adrenoreceptors. *Auton Autacoid Pharmacol*. 2017 Jan;37(1):13-18. doi: 10.1111/aap.12053. PubMed PMID: 28332265.
- Thomas RC Jr, Cowley PM, Singh A, Myagmar BE, Swigart PM, Baker AJ, Simpson PC. The Alpha-1A Adrenergic Receptor in the Rabbit Heart. *PLoS One*. 2016 Jun 3;11(6):e0155238. doi: 10.1371/journal.pone.0155238. eCollection 2016. PubMed PMID: 27258143; PubMed Central PMCID: PMC4892533.
- Ahmad A, Sattar MA, Azam M, Abdulla MH, Khan SA, Hashmi F, Abdullah NA, Johns EJ. Cystathione gamma lyase/Hydrogen Sulphide Pathway Up Regulation Enhances the Responsiveness of $\alpha(1A)$ and $\alpha(1B)$ -Adrenoreceptors in the Kidney of Rats with Left Ventricular Hypertrophy. *PLoS One*. 2016 May 18;11(5):e0154995. doi: 10.1371/journal.pone.0154995. eCollection 2016. PubMed PMID: 27191852; PubMed Central PMCID: PMC4871510.

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