

Product Information

Naftopidil

Cat. No.: X23-12-YM469

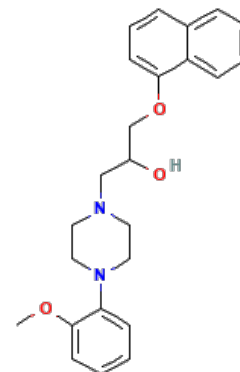
Size: 250 mg; 500 mg; 750 mg; 1 g

CAS Number: 57149-07-2

PubChem CID: 4418

Synonym: 57149-07-2; KT-611; BM-15275

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Naftopidil (flivas), soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets α 1A-adrenergic receptor, α 1B-adrenergic receptor, and α 1D-adrenergic receptor.
Molecular Weight	392.5
Molecular Formula	C ₂₄ H ₂₈ N ₂ O ₃
Targets	α 1A-adrenergic receptor: 3.7 nM (Ki); α 1B-adrenergic receptor: 20 nM (Ki); α 1D-adrenergic receptor: 1.2 nM (Ki)
IUPAC Name	1-[4-(2-Methoxyphenyl)piperazin-1-yl]-3-naphthalen-1-yloxypropan-2-ol
InChI	InChI=1S/C24H28N2O3/c1-28-24-11-5-4-10-22(24)26-15-13-25(14-16-26)17-20(27)18-29-23-12-6-8-19-7-2-3-9-21(19)23/h2-12, 20, 27H, 13-18H2, 1H3
InChI Key	HRRBJVNMSRJFHQ-UHFFFAOYSA-N
Canonical SMILES	COC1=CC=CC=C1N2CCN(CC2)CC(COC3=CC=CC4=CC=CC=C43)O
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 77 mg/mL (196.17 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Naftopidil (flivas) can be used for its effect on relaxing the smooth muscle in the prostate gland and the bladder neck.
Storage	Store at -20°C, and keep desiccated.



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