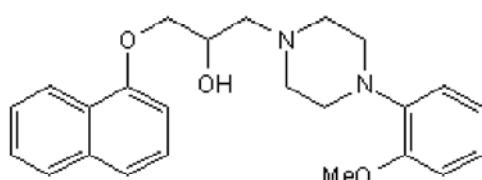


Certificate of Analysiswww.tocris.com**Product Name:** Naftopidil hydrochloride**Catalog No.:** 0597**Batch No.:** 4

CAS Number: 1164469-60-6

IUPAC Name: 4-(2-Methoxyphenyl)- α -[(1-naphthalenoxy)methyl]-1-piperazineethanol hydrochloride**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₂₄H₂₈N₂O₃.HCl.2H₂O**Batch Molecular Weight:** 464.99**Physical Appearance:** White crystalline solid**Solubility:** DMSO to 100 mM**Storage:** Store at RT**Batch Molecular Structure:** .HCl**2. ANALYTICAL DATA****HPLC:** Shows 98.3% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:**

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	61.99	7.15	6.02	7.62
Found	62.17	7.05	6	7.5

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

www.tocris.com**Product Name:** Naftopidil hydrochloride**Catalog No.:** 0597**Batch No.:** 4

CAS Number: 1164469-60-6

IUPAC Name: 4-(2-Methoxyphenyl)- α -[(1-naphthalenyloxy)methyl]-1-piperazineethanol hydrochloride**Description:**

An α_1 -adrenoceptor antagonist with only weak antagonism at post-junctional α_2 receptors; a potent, persistent antihypertensive and vasodilator.

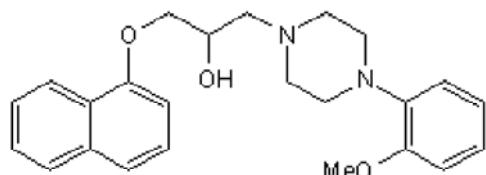
Physical and Chemical Properties:Batch Molecular Formula: C₂₄H₂₈N₂O₃.HCl.2H₂O

Batch Molecular Weight: 464.99

Physical Appearance: White crystalline solid

Minimum Purity: \geq 98%**Batch Molecular Structure:**

.HCl

**References:**

Muramatsu et al (1991) Pharmacological profile of the novel alpha-adrenoceptor antagonist KT-611 (naftopidil). *Jpn.J.Pharmacol.* **55** 391. PMID: 1677438.

Borbe and Peter (1990) Alpha-1-adrenoceptor-binding material in rat plasma following single oral administration of naftopidil. *Arzneimittelforschung* **40** 253. PMID: 1971750.

Storage: Store at RT**Solubility & Usage Info:**

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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