1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{24}H_{28}N_{2}O_{3}.HCl.2H_{2}O
Batch Molecular Weight: 464.99
Physical Appearance: White crystalline solid
Solubility: DMSO to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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Product Information

**Product Name:** Naftopidil hydrochloride

**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:** C$_{24}$H$_{28}$N$_2$O$_5$.HCl.2H$_2$O
- **Batch Molecular Weight:** 464.99
- **Physical Appearance:** White crystalline solid
- **Minimum Purity:** ≥98%

**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.

**References:**