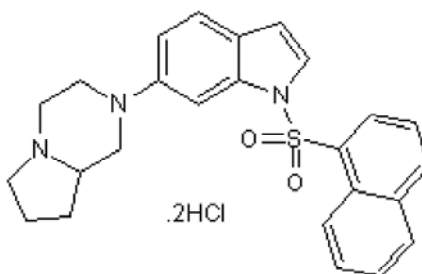


**Product Name:** NPS ALX Compound 4a dihydrochloride **Catalog No.:** 3285 **Batch No.:** 1  
**CAS Number:** 1781934-44-8  
**IUPAC Name:** 6-(Hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)-1-(1-naphthalenylsulfonyl)-1H-indole dihydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>25</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>S.2HCl.½H<sub>2</sub>O  
**Batch Molecular Weight:** 513.48  
**Physical Appearance:** Pale yellow solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows >99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	58.48	5.5	8.18	13.81
Found	58.69	5.32	8.12	14.08

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

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**Description:**

Potent and competitive 5-HT<sub>6</sub> antagonist (IC<sub>50</sub> = 7.2 nM, K<sub>i</sub> = 0.2 nM) that displays selectivity over other 5-HT and D<sub>2</sub> receptors.

**Physical and Chemical Properties:**

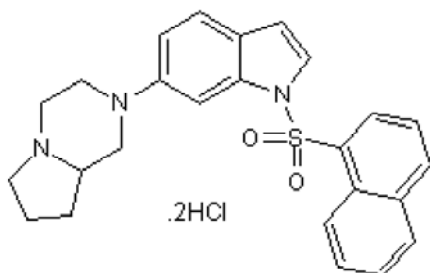
Batch Molecular Formula: C<sub>25</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>S.2HCl.½H<sub>2</sub>O

Batch Molecular Weight: 513.48

Physical Appearance: Pale yellow solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**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:**

Isaac *et al* (2000) 6-bicyclo[2.2.1]hept-2-yl-1-arylsulfonylindoles and 6-bicyclo[2.2.1]hept-2-yl-1-arylsulfonylindoles derivatives as novel, potent, and selective 5-HT<sub>6</sub> receptor antagonists. *Bioorg.Med.Chem.Letts.* **10** 1719.

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**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956