

Certificate of Analysis

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Product Name: WAY 208466 dihydrochloride

Catalog No.: 3904

Batch No.: 4

CAS Number: 1207064-61-6

IUPAC Name: 3-[-(3-Fluorophenyl)sulfonyl]-*N,N*-dimethyl-1*H*-pyrrolo[2,3-*b*]pyridine-1-ethanamine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₈FN₃O₂S.2HCl.½H₂O

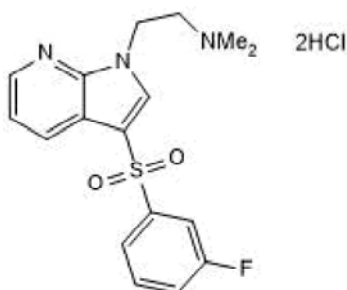
Batch Molecular Weight: 429.34

Physical Appearance: Off White solid

Solubility: water to 80 mM
DMSO to 80 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	47.56	4.93	9.79
Found	47.62	4.91	9.72

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

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IUPAC Name: 3-[-(3-Fluorophenyl)sulfonyl]-N,N-dimethyl-1H-pyrrolo[2,3-b]pyridine-1-ethanamine dihydrochloride

Description:

High affinity, selective 5-HT₆ agonist (EC₅₀ = 7.3 nM at the human 5-HT₆ receptor). Elevates cortical GABA levels in vivo in rat frontal cortex. Exhibits antidepressant and anxiolytic-like effects.

Physical and Chemical Properties:

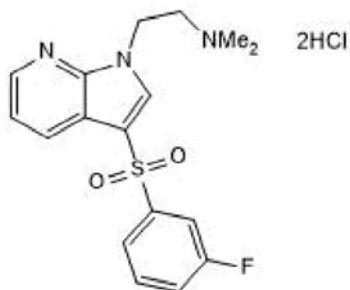
Batch Molecular Formula: C₁₇H₁₈FN₃O₂S.2HCl.½H₂O

Batch Molecular Weight: 429.34

Physical Appearance: Off White solid

Minimum Purity: >99%

Batch Molecular Structure:



References:

Carr et al (2010) Antidepressant and anxiolytic effects of selective 5-HT₆ receptor agonists in rats. *Psychopharmacol.(Berl.)* **213** 49. PMID: 20217056.

Schechter et al (2008) Neuropharmacological profile of novel and selective 5-HT₆ receptor agonists: WAY-181187 and WAY-208466. *Neuropsychopharmacol* **33** 1323. PMID: 17625499.

Storage: Desiccate at RT

Solubility & Usage Info:

water to 80 mM

DMSO to 80 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.

Licensing Information:

Sold for research purposes under agreement from Pfizer Inc.

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