Product Name: PNU 177864 hydrochloride
Catalog No.: 3355
Batch No.: 1
CAS Number: 1783978-03-9
IUPAC Name: N-[4-[2-(Propylamino)ethyl]phenyl]-4-(trifluoromethoxy)-benzenesulfonamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C₁₈H₂₁F₃N₂O₃S·HCl
- **Batch Molecular Weight:** 438.89
- **Physical Appearance:** White solid
- **Solubility:**
  - Water to 20 mM
  - DMSO to 100 mM
- **Storage:** Desiccate at RT
- **Batch Molecular Structure:**

2. ANALYTICAL DATA

- **TLC:**
  - Rₓ = 0.2 (Dichloromethane:Methanol [9:1])
- **HPLC:**
  - Shows >99.7% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon Hydrogen Nitrogen
  - Theoretical: 49.26 5.05 6.38
  - Found: 49.35 5.1 6.45

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

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IUPAC Name: N-[4-[2-(Propylamino)ethyl]phenyl]-4-(trifluoromethoxy)-benzenesulfonamide hydrochloride

Description:
Highly selective dopamine D3 receptor antagonist. Induces phospholipidosis and exhibits antischizophrenic activity in vivo.

Storage: Desiccate at RT

Solubility & Usage Info:
- Water to 20 mM
- 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: