1. PHYSICAL AND CHEMICAL PROPERTIES

- Batch Molecular Formula: $C_{17}H_{21}NO_4\cdot HCl$
- Batch Molecular Weight: 339.81
- Physical Appearance: White crystalline solid
- Solubility: water to 100 mM
- Storage: Store at RT
- Batch Molecular Structure:

![Molecular Structure](image)

2. ANALYTICAL DATA

- HPLC: Shows >99% purity
- Optical Rotation: $[\alpha]_D = -72.2$ (Concentration = 2.5, Solvent = Water)
### Description:

Competitive inhibitor of monoamine neurotransmitter transporters. Inhibits dopamine (DAT), serotonin (SERT) and noradrenalin (NET) transporters with $K_i$ values are 267, 392 and 872 nM respectively. Psychostimulant.

### Physical and Chemical Properties:

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- **Batch Molecular Weight:** 339.81
- **Physical Appearance:** White crystalline solid
- **Minimum Purity:** >99%

### Batch Molecular Structure:

![Batch Molecular Structure](image)

### Storage:

Store at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

### Solubility & Usage Info:

- **water 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.

### Other Information:

**INFORMATION FOR CUSTOMERS IN THE UK ONLY**

This product is a Schedule 2 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

**INFORMATION FOR CUSTOMERS IN THE USA ONLY**

This product is a Schedule II DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

**INFORMATION FOR CUSTOMERS IN CANADA ONLY**

This product is a Schedule I CDSA controlled substance and customers in Canada require an import permit to purchase this material.

### References: