

# Sertraline Hcl (CAS number- 79559-97-0)

TAJMTF-KNSDAR4875

Taj Active Pharmaceuticals Ingredients

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TAJ PHARMACEUTICALS LIMITED INDIA

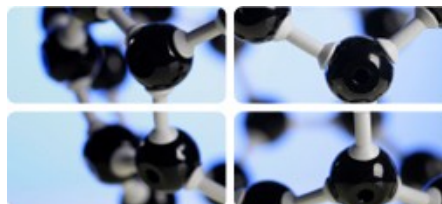
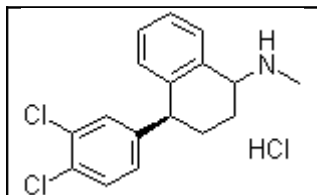


Raw Material / Chemicals Index

Taj Pharmaceuticals Ltd.

## Sertraline Hcl

(Cas No 79559-97-0)



### Sertraline HCL

<b>CAS</b>	79559-97-0
<b>Chemical Name</b>	(1S,4S)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine hydrochloride
<b>Biological Activity</b>	Potent, orally active selective serotonin re-uptake inhibitor (SSRI) used clinically to treat depression.
<b>Synonyms:</b>	(1S,4S)-4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-N-METHYL-1-NAPHTHALENAMINE HYDROCHLORIDE;(1S,4S)-4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-N-METHYL-1-NAPHTHALENAMINE HYDROCHLORIDE;(1S,4S)-1-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-4-(METHYLAMINO)NAPHTHALENE HYDROCHLORIDE;N-(4(3,4-DICHLOROPHENYL)-3,4-DIHYDRO-1(2H)NAPHTHALIDENE) METHANAMINE;SERTRALINE HCL FORM I;SERTRALINE HCL FORM II;SERTRALINE HYDROCHLORIDE;SERTRALINE MANDELATE
<b>MF:</b>	C <sub>17</sub> H <sub>18</sub> Cl <sub>3</sub> N
<b>Molecular Formula:</b>	<b>C<sub>17</sub>H<sub>18</sub>Cl<sub>3</sub>N</b>

**Molecular Weight:** 342.690520 [g/mol]

**Product Group** Antidepressant

**Appearance** White powder

**Melting Point** 243-245

**Solubility** Soluble in water;

#### **Sertraline hydrochloride Chemical Properties**

**mp** 246-249°C  
**solubility** DMSO: ~26 mg/mL

**form** solid

**color** white

**Merck** 8467

#### **CAS DataBase**

**Reference** 79559-97-0(CAS DataBase Reference)

**Assay** More than 99.0%

**Ecological Information** Do not allow product to enter drinking water supplies, waste water or soil!

#### **Safety Information**

**Hazard Codes** Xi

**Risk Statements** 36/37/38

**Safety Statements** 22-24/25-36-26

**WGK Germany** 3

**RTECS** QJ0352070

#### **Sertraline hydrochloride Usage And Synthesis**

**Chemical Properties** White Crystalline Powder

**Usage** A selective serotonin reuptake inhibitor. Used as an antidepressant

#### **Sertraline hydrochloride Preparation Products And Raw materials**

**Raw materials** Thionyl chloride-->Aluminium chloride-->METHYLAMINE-->Potassium tert-butanolate-->Diethyl succinate-->3,4-Dichlorobenzophenone-->Sertraline-->3,4-Dichlorobenzoyl chloride

**Accidental Release Measures** Ensuring personal safety, mark out contaminated area with signs and prevent unauthorised access. Turn leaking containers up to prevent further Evacuate area. Wear self-contained breathing apparatus, rubber boots & heavy rubber gloves. Sweep-up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after pick-up complete.

**Handling and Storage** Store under the following conditions: Store cool, dark & dry.

**Respiratory protection** required when dusts are generated.

**Industrial hygiene** Immediately change contaminated clothing. Wash hands and face after working with substance.

**Hazards Identification** Not considered hazardous when handled under normal conditions with good house keeping.

**Disposal Considerations**

Dissolve or mix material with a suitable combustible solvent and incinerate in a chemical incinerator equipped with an afterburner and scrubber.

Material should be disposed of in keeping with all local and national legislation. Packaging should be disposed of in keeping with all local and national legislation. Handle contaminated containers as product.

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