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Zoloft/Sertraline HCl

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**Solubility in Water**
3.5mg/L

Water Solubility in g/100mL
0.00035g/100mL

Sertraline Hydrochloride is insoluble in water

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**Uses**
The initial uses of Sertraline Hydrochloride are effective in the treating symptoms of major depression, anxiety in TEN syndrome, panic disorder, social anxiety disorder, premenstrual dysphoric disorder, generalized anxiety, and post-traumatic stress disorder.
The initial uses of Sertraline Hydrochloride are to treat eating disorders and generalized anxiety disorder.

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**Trade Name:** Zoloft

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**Generic Name:** Sertraline Hydrochloride

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**Chemical Name:**
(1S)-6-(1,3-Dimethylphenyl)-7,8,9,10-tetrahydro-N- (methyl)-1-naphthalenamine hydrochloride

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**Classification:**
Antidepressant
Selective Serotonin Reuptake Inhibitor (SSRI)

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**Molar Mass:**
Sertraline Hydrochloride: C₁₇H₁₇Cl₂N·HCl
37 mols C (120.11g/mol) = 2,204.77g
34 mols H (1.01g/mol) = 33.36g
5 mols N (14.01g/mol) = 70.05g
2 mols Cl (35.45g/mol) = 70.90g
Total Molar Mass = 2,418.08g/mol Sertraline Hydrochloride

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**Literature Molar Mass:**
342.69g/mol C₁₇H₁₇Cl₂N·HCl

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**Expanded Structure**

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**Condensed Structure with Functional Groups**

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**References**

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