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Buspirone Hydrochloride

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**Water Solubility**

**Literature Value:** 214 mg/L

**Converted Solubility:**

\[
\text{Solubility} = \frac{214 \text{ mg/L}}{1000} = 0.214 \text{ mg/mL}
\]

Buspirone hydrochloride is insoluble in water because its solubility is less than 1 gram per 100 mL of water.

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**Chemical Formula & Name**

**Chemical Formula:** C₂₆H₃₅N₂O₂ • HCl

**Chemical names:**

- 8-(3,4-dimethoxyphenyl)-1-piperazino[8]-8-azaaspiro(4.5)decane-7,9-dione with hydrochloride.

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**Names & Uses**

**Generic name:** Buspirone Hydrochloride

**Trade name:** BuSpar

**Classification:** Antianxiety

**Uses:** Buspirone Hydrochloride is used to manage anxiety disorders and for short-term treatment of generalized anxiety.

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**Dosage**

Buspirone Hydrochloride is used to treat anxiety in adults. The drug is taken PO 7.5-15 mg/daily in divided doses, may increase by 25 mg every 1-2 weeks (max 60 mg/daily). When used for the treatment of anxiety, the dosage should be increased by 5 mg every 7-14 days, once daily. The maximum dosage is 60 mg/day.

**How the drug is supplied:** Buspirone Hydrochloride Oral Tab: 5 mg, 7.5 mg, 10 mg, 15 mg, 20 mg

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**Condensed Structural Formula**

![Condensed Structural Formula](image_url)

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**Reference List**


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