2017

Nortriptyline Hydrochloride

Israel R. Gomez Raffoul

Parkland College

Recommended Citation
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**Nortriptyline Hydrochloride**

**Water Solubility**

Solubility in water (numerical value with unit: 0.000874 mg/mL)
0.000874 mg/mL (25°C) = 0.0000874 g/mL

**Insoluble**

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Chem 106-001

**Dose**

Adolescent: 20-30 mg/day in divided doses

**Availabilities**

Aventyl/Nortriptyline Hydrochloride/Parsol Oral Cap:
10mg, 25mg, 50mg

Aventyl/Nortriptyline Hydrochloride/Parsol Oral Sol:
5mL, 10mL

**Capsules per Chosen Dose**

1 capsule = 10 mg

3 capsules per 1 dose

**Administration & Absorption**

The main administration way to consume nortriptyline hydrochloride is orally. Orally means that the pill or capsule should be swallowed by mouth. The absorption of nortriptyline hydrochloride is rapidly from gastrointestinal tract. The mechanism of mood elevation is unknown. Studies suggest that it may interfere with the transport, release, and storage of catecholamines. Effective in improving depressive mood.

**Metabolism & Elimination**

Nortriptyline hydrochloride is broken down in the liver (CYP2D6). Which according to Physicians’ Desk Reference (CYP2D6) are isoenzymes and drug transporters. The primary way to eliminate nortriptyline hydrochloride is through urine.

**Molecular Mass**

19 moles of C (12.01g/mole) * 1 mole of C = 228.19g

22 moles of H (1.01g/mole) * 1 mole of H = 22.22g

1 mole of N (14.01g/mole) * 1 mole of N = 14.01g

1 mole of Cl (35.45g/mole) * 1 mole of Cl = 35.45g

**Total molecular mass:** 299.84g

**Literature value:** 298.84g/mole of C10H15NCl2