

DATA SHEET

Product Name: Apomorphine HCl Hemihydrate

Catalog #: N-3027

Alt: CAS 41372-20-7; Hemihydrate; R-(-)-6 α β -aporphine-10,11-diol, hydrochloride; (R)-5,6,6 α ,7-Tetrahydro-6-methyl-4Hdibenzo[de,g]quinoline-10,11-diol, hydrochloride

Source: Synthetic

Molecular Mass: 312.8 C₁₇H₁₇NO₂ • HCl ½H₂O

Analysis: 98% (TLC); NMR (Conforms)

Supplied As: Grey powder

Resuspension: May be dissolved in water (20 mg/ml)

Storage: Store desiccated as supplied at RT for up to 2 years. Store solutions at -20°C for up to 1 week.

Description: Archetypal dopamine pan-receptor agonist. Displays anti-Parkinsons activity in vivo¹. Protects against MPTP-induced neurotoxicity in a mouse model². In clinical use for Parkinson's disease^{4,5}.

References:

1. Merck Index 14 : 746
2. Millan, M.J., et al., (2002) J. Pharmacol. Exp. Therap., *303*: 791
3. Grunblatt, E., et al., (1999) Mov. Disord., *14*: 612
4. Auffret, M., et al., (2017) J. Neurol. Sci., *372*: 279
5. Jenner, P., and Katzenschlager, R., (2016) Parkinsonism. Relat. Disord., *33* Suppl 1: S13

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