



Apomorphine HCl

Data Sheet

Catalog Number:	MC11028	Product Type:	Small Molecule
Bio-Activity:	Dopamine agonist	CAS #:	41372-20-7
Research Categories:	Neuroscience, neurodegeneration	Chemical Name:	R-(-)-6a-aporphine-10,11-diol, hydrochloride hemihydrate
Solubility:	Soluble in Water (up to 20 mg/ml)	Molecular Formula:	C ₁₇ H ₁₇ NO ₂ • HCl ½H ₂ O
Purity:	> 98%	Molecular Weight:	312.78
Format:	Powder	Ship Temp:	Ambient
Storage:	Room Temperature		

Application Notes

Description/Data:

Archetypal dopamine pan-receptor agonist. Displays anti-Parkinsons activity in vivo [1,2]. Protects against MPTP-induced neurotoxicity in a mouse model [3]. In clinical use for Parkinson's disease [4,5].

References:

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

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