



# Apomorphine HCl

# Data Sheet

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<b>Catalog Number:</b>	MC11028	<b>Product Type:</b>	Small Molecule
<b>Bio-Activity:</b>	Dopamine agonist	<b>CAS #:</b>	41372-20-7
<b>Research Categories:</b>	Neuroscience, neurodegeneration	<b>Chemical Name:</b>	R-(-)-6a-aporphine-10,11-diol, hydrochloride hemihydrate
<b>Solubility:</b>	Soluble in Water (up to 20 mg/ml)	<b>Molecular Formula:</b>	C17H17NO2 • HCl ½H2O
<b>Purity:</b>	> 98%	<b>Molecular Weight:</b>	312.78
<b>Format:</b>	Powder	<b>Ship Temp:</b>	Ambient
<b>Storage:</b>	Room Temperature		

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## 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 Katzenbach Parkinsonism. Relat. Disord. 2016 33 Suppl 1:S13

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