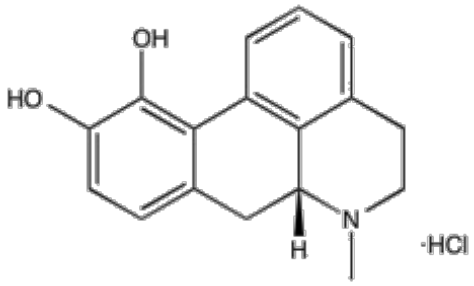
Catalog # 10-1338
Apomorphine

CAS# 41372-20-7

R-(-)-6aβ-aporphine-10,11-diol hydrochloride Hemihydrate

(R)-5,6,6a,7-Tetrahydro-6-methyl-4H-dibenzo[de,g]quinolone-10,11-diol hydrochloride

Lot # X100432



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

1) Merck Index 14:746

2) Millan *et al*. (2002), *Differential actions of antiparkinson agents at multiple classes of monoaminergic receptor. I. A multivariate analysis of the binding profiles of 14 drugs at 21 native and cloned human receptor subtypes*; J. Pharmacol. Exp. Therap., **303** 791

3) Grunblatt *et al*. (1999), *Apomorphine protects against MPTP-induced neurotoxicity in mice.*; Mov. Discord, **14** 612

4) Auffret *et al*. (2017), *Apomorphine pump in advanced Parkinson's disease: Effects on motor and nonmotor symptoms with brain metabolism correlations*; J. Neurol. Sci, **372** 279

5) Jenner and Katzenschlager (2016), *Apomorphine – pharmacological properties and clinical trials in Parkinson's disease*; Parkinsoism. Related. Disord., **33** Suppl. 1:S13

PHYSICAL DATA

Molecular Weight:	312.78
Molecular Formula:	$C_{17}H_{17}NO_2$ • HCl ½ H_2O
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in Water (up to 20 mg/ml)
Physical Description:	Grey solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 1 week.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com