

Product Information

R-(-)-Apomorphine hydrochloride hemihydrate

Calcined

A4393

Product Description

Apomorphine is a dopamine agonist. It stimulates the chemoreceptor trigger zone in the brain. Apomorphine causes nausea and induces emesis. It is used in the treatment of male erectile dysfunction.

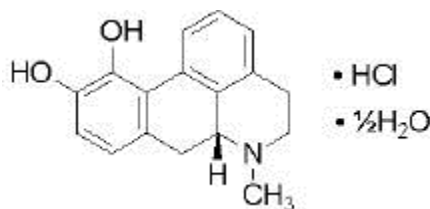
Molecular Formula: $C_{17}H_{17}O_2 \cdot HCl \cdot 0.5 H_2O$

Molecular Weight: 312.79 g/mol

λ_{max} : 274 nm

Extinction Coefficient: $E^{1\%}_{1cm} = 16.6$ (in water) pKa: 7.2, 8.91

CAS RN 41372-20-7



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

This product is soluble in water (~10 mg/mL), yielding a clear, yellow to green solution. A 1% solution in water has a pH of 4.0-5.0.

Storage/Stability

Store at room temperature. Product should be stored under inert gas, protected from light. Working aqueous solutions may decompose on storage and should be prepared freshly before use.

References

1. Ishige, K., et al., The activation of dopamine D4 receptors inhibits oxidative stress-induced nerve cell death. *J. Neurosci.*, 21, 6079 (2001).
2. Kula, et al., Effects of isomers of apomorphines on dopamine receptors in striatal and limbic tissue of rat brain. *Life Sci.*, 37, 1051 (1985).

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