R-(−)-Apomorphine hydrochloride hemihydrate, calcined

Catalog Number A4393
Store at Room Temperature

CAS RN 41372-20-7

Product Description
Molecular Formula: C_{17}H_{17}O_{2} \cdot HCl \cdot 0.5 H_{2}O
Molecular Weight: 312.79
\lambda_{\text{max}}: 274 \text{ nm}
Extinction Coefficient: E^{\text{nm}} = 16.6 (in water)
pK_{a}: 7.2, 8.91

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.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material 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
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

AH,MAM 09/07-1

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