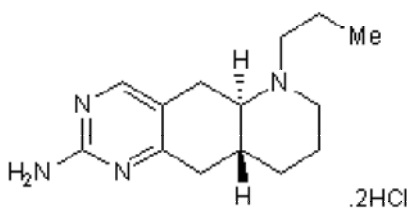


Product Name: Quinelorane hydrochloride **Catalog No.:** 1519 **Batch No.:** 2
CAS Number: 97548-97-5
IUPAC Name: (5a*R*,9a*R*)-5,5a,6,7,8,9,9a,10-Octahydro-6-propylpyrido[2,3-*g*]quinazolin-2-amine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₂₂N₄.2HCl.H₂O
Batch Molecular Weight: 337.29
Physical Appearance: Off White solid
Solubility: water to 25 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
Chiral HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	49.85	7.77	16.61
Found	49.54	7.5	16.51

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

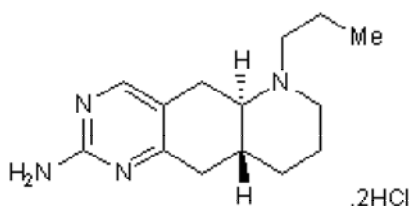
Dopamine D₂ and D₃ receptor agonist; K_i values are 5.7 and 3.4 nM respectively.

Physical and Chemical Properties:

Batch Molecular Formula: C₁₄H₂₂N₄.2HCl.H₂O
 Batch Molecular Weight: 337.29
 Physical Appearance: Off White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 25 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold with the permission of Eli Lilly and Company

References:

Flietstra and Levant (1998) Comparison of D₂ and D₃ DA receptor affinity of DArgic compounds in the rat brain. *Life Sci.* **62** 1825. PMID: 9600324.

Eaton et al (1994) Effects of the selective DArgic D₂ agonist quinelorane on the activity of DArgic and noradrenergic neurons projecting to the diencephalon of the rat. *J.Pharmacol.Exp.Ther.* **268** 645. PMID: 7906734.

Foreman et al (1989) Preclinical studies on quinelorane, a potent and highly selective D₂-DArgic agonist. *J.Pharmacol.Exp.Ther.* **250** 227. PMID: 2526214.

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