

Certificate of Analysis

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Product Name: Leelamine hydrochloride

Catalog No.: 2139

Batch No.: 2

CAS Number: 16496-99-4

EC Number: 215-899-7

IUPAC Name: (1*R*,4*aS*,10*aR*)-1,2,3,4,4*a*,9,10,10*a*-Octahydro-1-,4*a*-dimethyl-7-(1-methylethyl)-1-phenanthrenemethanamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₃₁N.HCl.¼H₂O

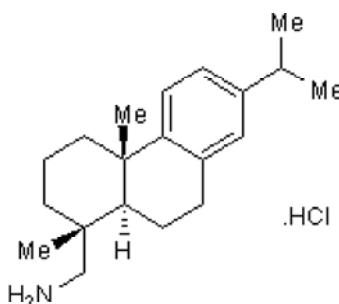
Batch Molecular Weight: 326.43

Physical Appearance: White solid

Solubility: ethanol to 100 mM
DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.27 (Dichloromethane:Methanol [95:5])

HPLC: Shows 99% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	73.59	10.03	4.29
Found	73.92	10.12	4.4

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

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Product Information

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Description:

CB₁ agonist. Displaces binding of [³H]-SR141716A with an IC₅₀ value of 2.86 μM.

Physical and Chemical Properties:

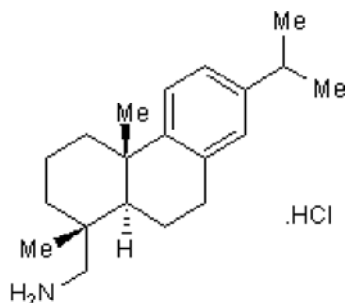
Batch Molecular Formula: C₂₀H₃₁N.HCl.¼H₂O

Batch Molecular Weight: 326.43

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

ethanol to 100 mM

DMSO to 100 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.

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