

Certificate of Analysis

Product Name: BU 226 hydrochloride

Catalog No.: 1091

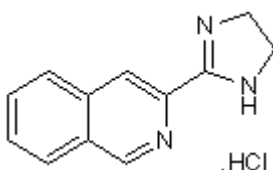
Batch No.: 2

CAS Number: 1186195-56-1

IUPAC Name: 2-(4,5-Dihydroimidazol-2-yl)isoquinoline hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₁₁N₃·HCl
Batch Molecular Weight: 233.7
Physical Appearance: Off-white solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.22 (Dichloromethane:Methanol:Ammonia soln. [10:1:0.1])
Melting Point: Between 319 - 319°C(Dec)
¹H NMR: Consistent with structure
Microanalysis:

	Carbon Hydrogen Nitrogen			
Theoretical	61.67	5.14	17.99	0 0 0
Found	61.57	5.14	17.92	0 0 0

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

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Description:

A high affinity ligand for I₂ imidazoline sites (K_i = 2.7 nM) with very high selectivity (> 2000-fold) over α₂-adrenoceptors (K_i = 6700 nM).

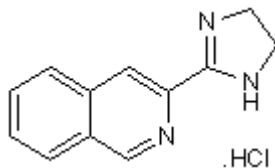
Physical and Chemical Properties:

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Physical Appearance: Off-white solid

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water 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.

References:

Lione et al (1997) BU226: A selective ligand for rat brain imidazoline I₂ sites. Soc.Neurosci.Abstr. **23** 695.28.

Hudson et al (1999) Novel selective compounds for the investigation of imidazoline receptors. Ann.N.Y.Acad.Sci. **881** 81. PMID: 10415900.

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