

Certificate of Analysis

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Product Name: Nicergoline

Catalog No.: 0604

Batch No.: 1

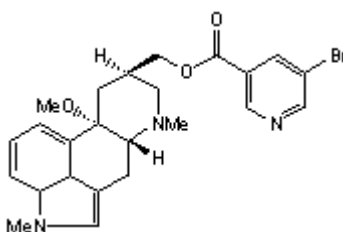
CAS Number: 27848-84-6

EC Number: 248-694-6

IUPAC Name: (8β)-10-methoxy-1,6-dimethylergoline-8-methanol 5-bromo-3-pyridine carboxylate ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₂₆BrN₃O₃
Batch Molecular Weight: 484.39
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.75 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
Melting Point: Between 137 - 139°C
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.51	5.41	8.67
Found	59.43	5.37	8.59

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

Product Information

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Description:

α-adrenergic, vasodilator. Cognitive enhancer.

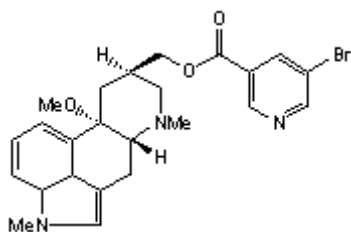
Physical and Chemical Properties:

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Storage: Store at RT

Solubility & Usage Info:

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.

References:

Merck Index **12** 6580.

Chopin and Briley (1992) Effects of four non-cholinergic cognitive enhancers in comparison with tacrine and galanthamine on scopolamine-induced amnesia in rats. *Psychopharmacology* **106** 26. PMID: 1738791.

Carfagna et al (1995) Modulation of hippocampal ACh release by chronic nicergoline treatment in freely moving young and aged rats. *Neurosci.Lett.* **197** 195. PMID: 8552297.

Carfagna et al (1996) Modulation of phosphoinositide turnover by chronic nicergoline in rat brain. *Neurosci.Lett.* **209** 189. PMID: 8736642.

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