

Certificate of Analysis

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Product Name: Methysergide maleate

Catalog No.: 1064

Batch No.: 2

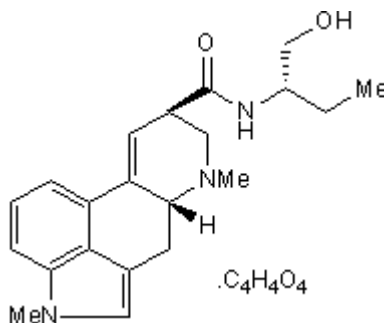
CAS Number: 129-49-7

EC Number: 204-950-9

IUPAC Name: [8β(S)]-9,10-Didehydro-*N*-[1-(hydroxymethyl)propyl]-1,6-dimethylergoline-8-carboxamide maleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₇N₃O₂·C₄H₄O₄·H₂O
Batch Molecular Weight: 487.56
Physical Appearance: White solid
Solubility: water to 10 mM with gentle warming
 phosphate buffered saline to 10 mM with gentle warming
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.53 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
Melting Point: 182 - 188°C(dec)
HPLC: Shows >99.7% purity
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.59	6.82	8.62
Found	61.61	6.87	8.53

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

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IUPAC Name: [8β(S)]-9,10-Didehydro-*N*-[1-(hydroxymethyl)propyl]-1,6-dimethylergoline-8-carboxamide maleate

Description:

Mixed 5-HT₁/5-HT₂ receptor antagonist.

Physical and Chemical Properties:

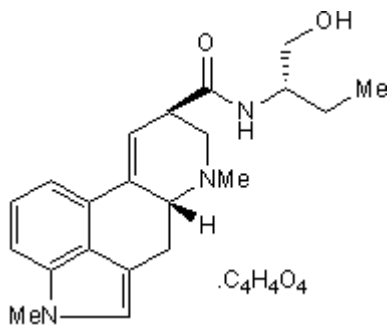
Batch Molecular Formula: C₂₁H₂₇N₃O₂·C₄H₄O₄·H₂O

Batch Molecular Weight: 487.56

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 10 mM with gentle warming

phosphate buffered saline to 10 mM with gentle warming

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** 6217.

Hoyer et al (1994) VII. International Union of Pharmacology classification of receptors for 5-hydroxytryptamine (serotonin). *Pharmacol.Rev.* **46** 157. PMID: 7938165.

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