

Product Name: Lisuride maleate

Catalog No.: 4052

Batch No.: 5

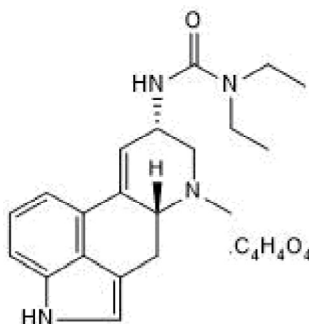
CAS Number: 19875-60-6

EC Number: 243-387-3

IUPAC Name: *N'*-[(8 α)-9,10-Didehydro-6-methylergolin-8-yl]-*N,N*-diethylurea maleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₂₆N₄O.C₄H₄O₄
Batch Molecular Weight: 454.52
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
 water to 5 mM with gentle warming
 ethanol to 5 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.42	6.65	12.33
Found	63.35	6.69	12.25

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

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IUPAC Name: N'-[(8 α)-9,10-Didehydro-6-methylergolin-8-yl]-N,N-diethylurea maleate

Description:

Lisuride maleate is a dopamine receptor agonist and anti-Parkinson's agent. Displays high affinity for D₂, D₃ and D₄ receptors along with 5-HT_{1A}. Exhibits some 5-HT_{2B} receptor antagonist properties. Decreases prolactin release; reduces inflammatory mediators such as TNF- α and IL6. Exhibits anticonvulsive effects. Acts similar to bromocriptine (Cat. No. 0427).

Physical and Chemical Properties:

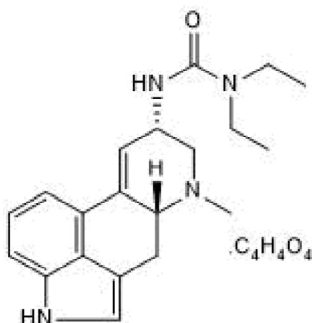
Batch Molecular Formula: C₂₀H₂₆N₄O.C₄H₄O₄

Batch Molecular Weight: 454.52

Physical Appearance: Off-white solid

Minimum Purity: \geq 99%

Batch Molecular Structure:



Storage: Store at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 mM

water to 5 mM with gentle warming

ethanol to 5 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Zweckberger et al (2010) Anticonvulsive effects of the DA agonist lisuride maleate after experimental traumatic brain injury. *Neurosci.Lett.* **470** 150. PMID: 20056133.

Hofmann et al (2006) Lisuride, a DA receptor agonist with 5-HT_{2B} receptor antagonist properties: absence of cardiac valvulopathy adverse drug reaction reports supports the concept of a crucial role for 5-HT_{2B} receptor agonism in cardiac valvular fibrosis *Clin.Neuropharmacol.* **29** 80. PMID: 16614540.

Woitalla et al (2004) Transdermal lisuride delivery in the treatment of Parkinson's disease. *J.Neural Transm.* **68** 89.

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