

Certificate of Analysis

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Product Name: Dihydroergocristine mesylate

Catalog No.: 0474

Batch No.: 1

CAS Number: 24730-10-7

EC Number: 246-434-6

IUPAC Name: (5' α ,10 α)-9,10-Dihydro-12'-hydroxy-2'-(1-methylethyl)-5'-(phenylmethyl)-ergotaman-3',6',18-trione mesylate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₅H₄₁N₅O₅·CH₃SO₃H

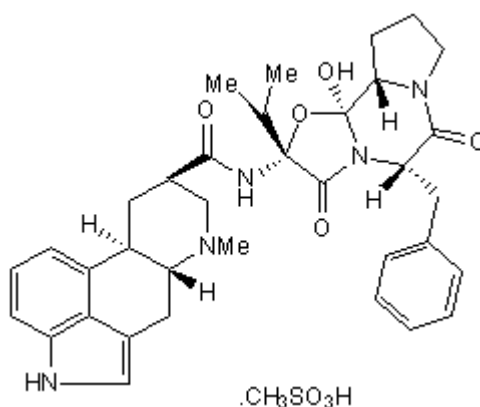
Batch Molecular Weight: 707.85

Physical Appearance: White solid

Solubility: DMSO to 25 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

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

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Description:

5-HT receptor antagonist; partial agonist at adrenergic and dopaminergic receptors.

Physical and Chemical Properties:

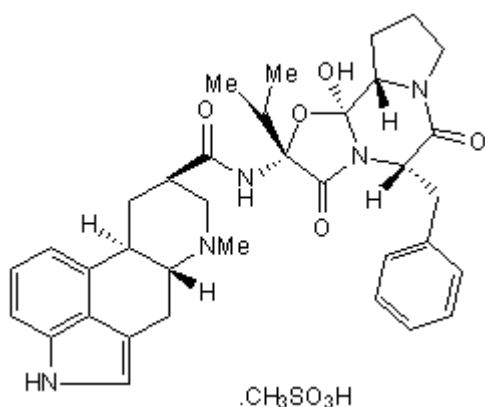
Batch Molecular Formula: C₃₅H₄₁N₅O₅.CH₃SO₃H

Batch Molecular Weight: 707.85

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 25 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:

Drago (1988) Dihydroergocristine and memory alterations of aged male rats. *Pharmacol.Biochem.Behav.* **30** 961. PMID: 3147464.

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