

Product Name: Methylergometrine maleate

Catalog No.: 0549

Batch No.: 1

CAS Number: 57432-61-8

EC Number: 204-027-0

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₂₅N₃O₂·C₄H₄O₄

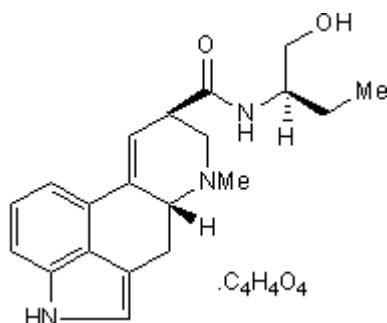
Batch Molecular Weight: 455.51

Physical Appearance: White solid

Solubility: water to 25 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.7 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])

Melting Point: Between 212 - 214°C(Dec)

¹H NMR: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

Theoretical 63.28 6.41 9.22

Found 62.82 6.49 9.21

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

— Tocris Bioscience is an R&D Systems company —

USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

Product Name: Methylergometrine maleate

Catalog No.: 0549

Batch No.: 1

CAS Number: 57432-61-8

EC Number: 204-027-0

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

Description:

Active metabolite of methysergide (Cat. No. 1064); uterotonic agent and oxytocic.

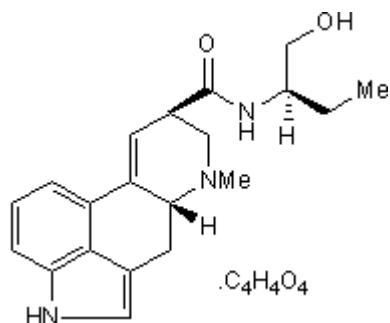
Physical and Chemical Properties:

Batch Molecular Formula: C₂₀H₂₅N₃O₂.C₄H₄O₄

Batch Molecular Weight: 455.51

Physical Appearance: White solid

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water 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:

Merck Index **12** 6147.

Muller-Schweinitzer and Tapparelli (1986) Methylergometrine, an active metabolite of methysergide. *Cephalgia* **6** 35. PMID: 3698092.

MacLennan and Martin (1990) Actions of non-peptide ergot alkaloids at 5-HT₁-like and 5-HT₂ receptors mediating vascular smooth muscle contraction. *Naunyn Schmiedebergs Arch.Pharmacol.* **342** 120. PMID: 2234096.

Pertz (1993) 5-Hydroxytryptamine (5-HT) contracts the guinea-pig isolated iliac artery via 5-HT1-like and 5-HT2 receptors. *Naunyn Schmiedebergs Arch.Pharmacol.* **348** 558. PMID: 8133899.

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

Tocris Bioscience is an R&D Systems company

USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

