

Product Name: Metergoline

Catalog No.: 0590

Batch No.: 1

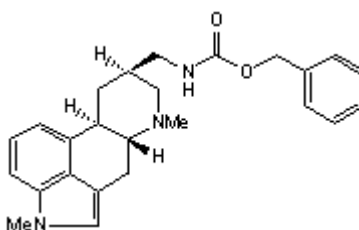
CAS Number: 17692-51-2

EC Number: 241-686-3

IUPAC Name: [(8β)-1,6-Dimethylergolin-8-yl)methyl]carbamic acid phenylmethyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₉N₃O₂
Batch Molecular Weight: 403.52
Physical Appearance: Light yellow crystalline solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.7 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
Melting Point: At 148°C
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	74.41	7.42	10.41
Found	74.07	7.35	10.42

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

Product Name: Metergoline

CAS Number: 17692-51-2

IUPAC Name: [(8 β)-1,6-Dimethylergolin-8-yl)methyl]carbamic acid phenylmethyl ester

Catalog No.: 0590

EC Number: 241-686-3

Batch No.: 1

Description:

Antagonist at 5-HT₁/5-HT₂ with activity at 5-HT_{1D}. Has moderate affinity for 5-HT₆ and high affinity for 5-HT₇.

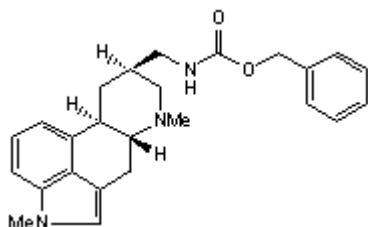
Physical and Chemical Properties:

Batch Molecular Formula: C₂₅H₂₉N₃O₂

Batch Molecular Weight: 403.52

Physical Appearance: Light yellow crystalline solid

Batch Molecular Structure:



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:

Aulakh et al (1992) Effects of various serotonin receptor subtype selective antagonists alone and on *m*-chlorophenylpiperazine-induced neuroendocrine changes in rats. *J.Pharmacol.Exp.Ther.* **263** 588. PMID: 1432690.

Bagdy et al (1992) Pharmacological characterization of serotonin receptor subtypes involved in vasopressin and plasma renin activity responses to serotonin agonists. *Eur.J.Pharmacol.* **210** 285. PMID: 1535317.

Miller et al (1992) Agonist activity of sumatriptan and metergoline at the human 5-HT_{1D β} receptor in the action of sumatriptan. *Eur.J.Pharmacol.* **227** 99. PMID: 1330643.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956