

Product Name: Reserpine

Catalog No.: 2742

Batch No.: 6

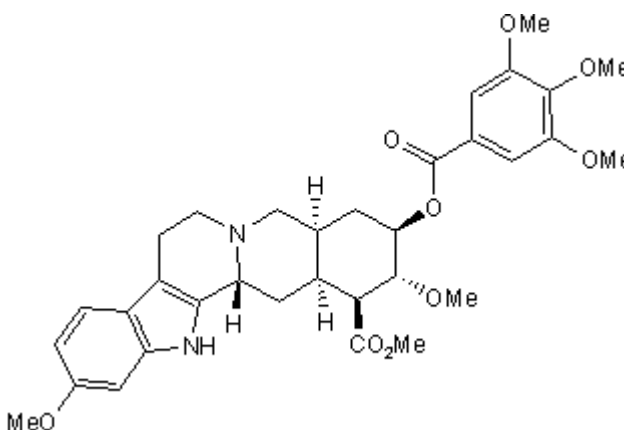
CAS Number: 50-55-5

EC Number: 200-047-9

IUPAC Name: (3 β ,16 β ,17 α ,18 β ,20 α)-11,17-Dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]yohimban-16-carboxylic acid methyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₃H₄₀N₂O₉
Batch Molecular Weight: 608.68
Physical Appearance: Off White solid
Solubility: DMSO to 10 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = -128.2 (Concentration = 1, Solvent = Chloroform)
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.12	6.62	4.6
Found	65.21	6.61	4.62

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

Product Name: Reserpine

Catalog No.: 2742

Batch No.: 6

CAS Number: 50-55-5

EC Number: 200-047-9

IUPAC Name: (3 β ,16 β ,17 α ,18 β ,20 α)-11,17-Dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]yohimban-16-carboxylic acid methyl ester

Description:

Binds the vesicular monoamine transporter (VMAT2) and inhibits transport of biogenic amines into adrenal chromaffin granules and synaptic vesicles. Causes depletion of biogenic amine stores. Antihypertensive and antipsychotic.

Physical and Chemical Properties:

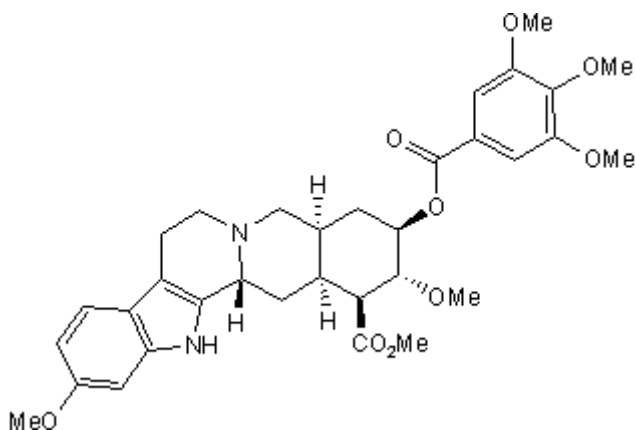
Batch Molecular Formula: C₃₃H₄₀N₂O₉

Batch Molecular Weight: 608.68

Physical Appearance: Off White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 10 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:

Schuldiner et al (1993) Reserpine binding to a vesicular amine transporter expressed in chinese hamster ovary fibroblasts. *J.Biol.Chem.* **268** 29. PMID: 8416935.

Heslop and Curzon (1999) Effect of reserpine on behavioural responses to agonists at 5-HT_{1A}, 5-HT_{1B}, 5-HT_{2A}, and 5-HT_{2C} receptor subtypes. *Neuropharmacology* **38** 883. PMID: 10465692.

Metzger et al (2002) Inhibitory effect of reserpine on dopamine transporter function. *Eur.J.Pharmacol.* **456** 39. PMID: 12450567.

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