

Product Name: Eletriptan hydrobromide

Catalog No.: 3862

Batch No.: 1

CAS Number: 177834-92-3

IUPAC Name: 3-[[[(2R)-1-Methyl-2-pyrrolidinyl]methyl]-5-[2-(phenylsulfonyl)ethyl]-1H-indole hydrobromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₆N₂O₂S.HBr

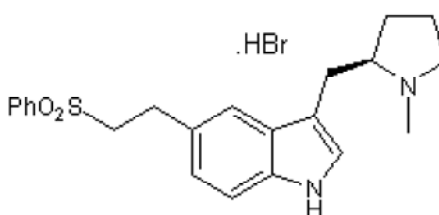
Batch Molecular Weight: 463.43

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Optical Rotation: [α]_D = -5.4 (Concentration = 1, Solvent = Water)

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.02	5.87	6.04
Found	56.67	5.95	6.04

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

Product Name: Eletriptan hydrobromide

Catalog No.: 3862

Batch No.: 1

CAS Number: 177834-92-3

IUPAC Name: 3-[[[(2R)-1-Methyl-2-pyrrolidinyl]methyl]-5-[2-(phenylsulfonyl)ethyl]-1H-indole hydrobromide

Description:

Orally active, selective 5-HT_{1B/1D} receptor agonist. Produces a dose-dependent reduction in carotid artery blood flow in vivo. Displays antimigraine activity.

Physical and Chemical Properties:

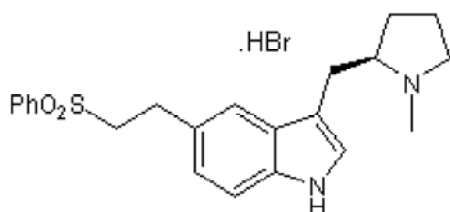
Batch Molecular Formula: C₂₂H₂₆N₂O₂S.HBr

Batch Molecular Weight: 463.43

Physical Appearance: Off-white solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Desiccate 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.

Licensing Information:

Sold for research purposes under agreement from Pfizer Inc.

References:

Gupta et al (2000) The *in vivo* pharmacological profile of eletr. (UK-116,044): a potent and novel 5-HT_{1B/1D} receptor agonist. *Eur.J.Pharmacol.* **398** 73. PMID: 10856450.

Napier et al (1999) Characterisation of the 5-HT receptor binding profile of eletr. and kinetics of [³H]-eletriptan binding at human 5-HT_{1B} and 5-HT_{1D} receptors. *Eur.J.Pharmacol.* **368** 259. PMID: 10193663.

Willems et al (1998) Porcine carotid vascular effects of eletr. (UK-116,044): a new 5-HT_{1B/1D} receptor agonist with anti-migraine activity. *Naunyn-Schmied.Arch.Pharmacol.* **358** 212.

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