

Certificate of Analysis

Product Name: Irbesartan

Catalog No.: 5798

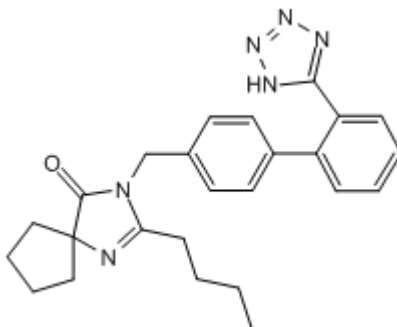
Batch No.: 1

CAS Number: 138402-11-6

IUPAC Name: 2-Butyl-3-[[2'-(2*H*-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1,3-diazaspiro[4.4]non-1-en-4-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₈N₆O
Batch Molecular Weight: 428.53
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 10 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	70.07	6.59	19.61
Found	69.91	6.63	19.4

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

Product Name: Irbesartan

Catalog No.: 5798

Batch No.: 1

CAS Number: 138402-11-6

IUPAC Name: 2-Butyl-3-[[2'-(2*H*-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1,3-diazaspiro[4.4]non-1-en-4-one

Description:

Potent angiotensin II type 1 receptor (AT₁) antagonist (IC₅₀ = 1.3 nM). Displays antihypertensive activity. Orally bioavailable.

Physical and Chemical Properties:

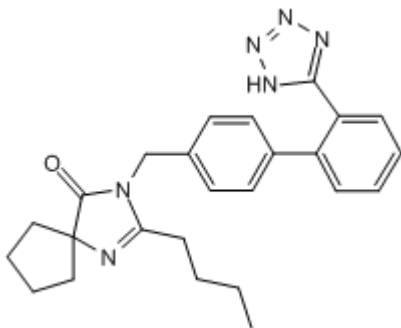
Batch Molecular Formula: C₂₅H₂₈N₆O

Batch Molecular Weight: 428.53

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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:

Burnier *et al* (2001) Angiotensin II type 1 receptor blockers. *Circulation* **103** 904. PMID: 11171802.

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