Product Name: Olmesartan medoxomil
Catalog No.: 4620
Batch No.: 1
CAS Number: 144689-63-4
IUPAC Name: 4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-Imidazole-5-carboxylic acid-(5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: $C_{29}H_{30}N_{6}O_{6}$
   Batch Molecular Weight: 558.59
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM, ethanol to 10 mM
   Storage: Store at +4°C

2. ANALYTICAL DATA

   HPLC: Shows 98.8% purity
   $^1$H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

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<th>Carbon</th>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Olmesartan medoxomil

Catalog No.: 4620  Batch No.: 1

CAS Number: 144689-63-4

IUPAC Name: 4-(1-Hydroxy-1-methyl-ethyl)-2-propyl-1-[2''-(2H-tetrazol-5-y1)[1,1''-biphenyl]-4-yl]-methyl]-1H-Imidazole-5-carboxylic acid-(5-methyl-2-oxo-1,3-dioxol-4-yl)-methyl ester

Description:
Prodrug metabolised in vivo to Olmesartan (Cat. No. 4616), a selective non-peptide angiotensin II type I receptor (AT₁) antagonist. Selectively inhibits angiotensin II binding to AT₁ receptors in bovine adrenal cortical membranes (IC₅₀ = 7.7 nM), with no effect on AT₂ receptors.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₆H₆₃N₁₃O₂₇
Batch Molecular Weight: 558.59
Physical Appearance: White solid
Minimum Purity: >98%

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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

References: