

Product Name: Eprosartan mesylate

Catalog No.: 4696

Batch No.: 1

CAS Number: 144143-96-4

IUPAC Name: (*αE*)-*α*-[[2-Butyl-1-[(4-carboxyphenyl)methyl]-1*H*-imidazol-5-yl]methylene]-2-thiophenepropanoic acid methanesulfonate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₄N₂O₄S·CH₃SO₃H

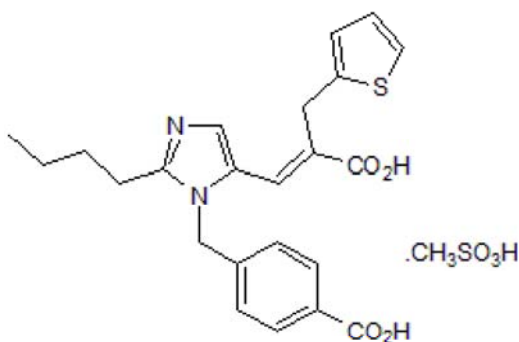
Batch Molecular Weight: 520.62

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 20 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.36	5.42	5.38
Found	55.42	5.39	5.39

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: Eprosartan mesylate

Catalog No.: 4696

Batch No.: 1

CAS Number: 144143-96-4

IUPAC Name: (*αE*)-*α*-[[2-Butyl-1-[(4-carboxyphenyl)methyl]-1*H*-imidazol-5-yl]methylene]-2-thiophenepropanoic acid methanesulfonate

Description:

Potent angiotensin II receptor 1 (AT₁) antagonist (IC₅₀ values are 1.5, 1.7, 3.9 and 9.2 nM at rat mesenteric artery, human liver membrane, human adrenal cortical membrane and rat adrenal cortical membrane respectively). Displays no effect on vasopressin or CGRP binding, or angiotensin-converting enzyme (ACE) activity. Inhibits the angiotensin II-induced pressor response in normotensive rats.

Physical and Chemical Properties:

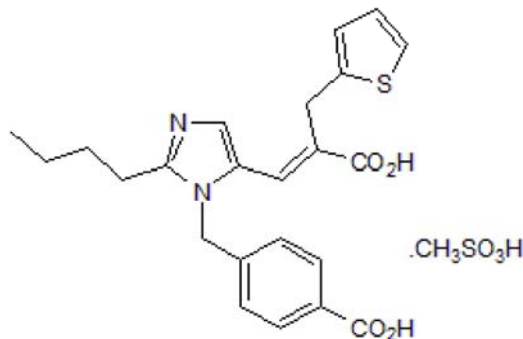
Batch Molecular Formula: C₂₃H₂₄N₂O₄S.CH₃SO₃H

Batch Molecular Weight: 520.62

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 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:

Oh *et al* (2011) Angiotensin II inhibits insulin binding to endothelial cells. *Diabetes Metab.J.* **35** 243. PMID: 21785744.

Edwards *et al* (1992) Pharmacological characterization of the nonpeptide angiotensin II receptor antagonist, SK&F 108566. *J.Pharmacol.Exp.Ther.* **260** 175. PMID: 1309870.

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

bio-techné.com

info@bio-techné.com

techsupport@bio-techné.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techné.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