Product Name: Candesartan cilexetil
Catalog No.: 4792  Batch No.: 1
CAS Number: 145040-37-5
IUPAC Name: 2-Ethoxy-1-[[2'-[(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-benimidazole-7-carboxylic acid 1-[[[(cyclohexyloxy)carbonyl]oxy]ethyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{33}H_{34}N_{6}O_{6}
Batch Molecular Weight: 610.66
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 100% purity
{}H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<td>Theoretical</td>
<td>64.91</td>
<td>5.61</td>
<td>13.76</td>
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<tr>
<td>Found</td>
<td>64.79</td>
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</table>
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Description:
Prodrug of the angiotensin II receptor 1 (AT1) antagonist candesartan (Cat. No. 4791), which exhibits antihypertensive effects in animal models.

Physical and Chemical Properties:
Batch Molecular Formula: C_{33}H_{33}N_{5}O_{8}
Batch Molecular Weight: 610.66
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Store at +4°C

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.

References: