Product Name: Tasosartan
Catalog Number: T7797
CAS Number: 145733-36-4
Molecular Formula: C23H21N7O
Molecular Weight: 411.46

Description: Tasosartan is an antagonist of angiotensin II type 2 (AT2) receptor (IC50 = 1.2 nM).

Storage: 2 years -80°C in solvent; 3 years -20°C powder;

Solubility

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Concentration (mM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>125 mg/mL (303.80 mM)</td>
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<tr>
<td></td>
<td>(&lt; 1 mg/ml refers to the product slightly soluble or insoluble)</td>
</tr>
</tbody>
</table>

Receptor (IC50)

<table>
<thead>
<tr>
<th>Receptor</th>
<th>IC50 (nM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>angiotensin II type 2 (AT2) receptor</td>
<td>1.2 nM</td>
</tr>
</tbody>
</table>

In vitro Activity
Tasosartan is an AngII antagonist that has demonstrated specific and selective AT1 receptor antagonistic activity in vitro. In the absence of proteins in the binding buffer, IC50 for inhibition of specific binding of 125I-AngII to rat adrenal membrane is 1.2±0.6 nM [1].

In vivo Activity
In vivo, tasosartan (p.o. or i.v.) blocked by 80% AT1 receptors 1 to 2 h after drug administration and still had a 40% effect at 32 h.

Animal Experiment
Animal Model:

Reference

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