Product Name: BW 373U86 Catalog No.: 1663 Batch No.: 2
CAS Number: 155836-50-3
IUPAC Name: 4-[(αR*)-α-((2S*, 5R*)-4-Allyl-2,5-dimethyl-1-piperazinyl)-3-hydroxybenzyl]-N,N-diethylbenzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{27}H_{37}N_{3}O_{2}
Batch Molecular Weight: 435.61
Physical Appearance: Beige solid
Solubility: 1eq. HCl to 100 mM ethanol to 100 mM DMSO to 25 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: R_f = 0.43 (DCM:Methanol:Et3N (9:0.8:0.2))
HPLC: Shows 99.4% purity
^1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<tr>
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<td>74.45</td>
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<td>8.53</td>
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</tbody>
</table>
Product Name: BW 373U86
Catalog No.: 1663
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Description:
Potent, selective non-peptide δ-opioid receptor agonist. Kᵢ values are 1.8, 15 and 34 nM for δ, μ and κ receptors respectively. Centrally active following systemic administration in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₇H₃₂N₃O₂
Batch Molecular Weight: 435.61
Physical Appearance: Beige solid

Minimum Purity: >99%

Storage: Store at +4°C

Solubility & Usage Info:
1eq. HCl to 100 mM
ethanol to 100 mM
DMSO to 25 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: