1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{30}H_{37}Cl_2IN_2O_2 \)

Batch Molecular Weight: 655.44

Physical Appearance: White solid

Solubility: DMSO to 100 mM, ethanol to 50 mM

Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.2 \) (Ethyl acetate:Methanol [4:96])

HPLC: Shows >99.1% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>54.97</td>
<td>55.07</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.69</td>
<td>5.67</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>4.27</td>
<td>4.4</td>
</tr>
</tbody>
</table>

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Description:
Potent chemokine CCR1 and CCR3 receptor antagonist. Inhibits MIP-1α-induced chemotaxis in CCR1 transfectants and etoxacin-induced chemotaxis in CCR3 transfectants (IC₅₀ values are 9.57 and 93.8 nM respectively). Antagonizes CCR3-mediated entry of HIV-1 isolate 89.6 into NP-2 cells (IC₅₀ = 57 nM). Isomer of J113863 (Cat. No. 2595).

Physical and Chemical Properties:
Batch Molecular Formula: C₃₀H₅₇Cl₂N₂O₂
Batch Molecular Weight: 655.44
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C
Solubility & Usage Info:
DMSO to 100 mM ethanol to 50 mM
When purchased as a 1 mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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:

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