1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{20}H_{34}N_4O_4 \)

Batch Molecular Weight: 394.51

Physical Appearance: Off-white solid

Solubility:
- DMSO to 100 mM
- Ethanol to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

Melting Point: Between 121 - 125°C

HPLC: Shows 95.5% 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>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>60.89</td>
<td>8.69</td>
<td>14.19</td>
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<tr>
<td>Found</td>
<td>60.59</td>
<td>8.67</td>
<td>14.01</td>
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</tbody>
</table>
Product Name: RHC 80267
Catalog No.: 1842
Batch No.: 1

CAS Number: 83654-05-1
IUPAC Name: O,O'-[1,6-Hexanediylbis(iminocarbonyl)]dioxime cyclohexanone

Description:
Inhibitor of diacylglycerol lipase (IC₅₀ values are 1.1 and 4 μM in rat cardiac myocytes and canine platelets respectively). Weakly inhibits phospholipases C and A₂. Potentiates acetylcholine evoked relaxation in mesenteric arteries by the inhibition of cholinesterase activity (IC₅₀ = 4 μM).

Physical and Chemical Properties:
Batch Molecular Formula: C₂₀H₁₆N₂O₄
Batch Molecular Weight: 394.51
Physical Appearance: Off-white solid
Minimum Purity: >95%

Storage:
Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol 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: