Product Name: SC 26196
Catalog No.: 4189    Batch No.: 1
CAS Number: 218136-59-5
IUPAC Name: α,α-Diphenyl-4-[(3-pyridinylmethylene)amino]-1-piperazinepentanenitrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{27}H_{29}N_5 \cdot \frac{1}{2}H_2O \)
Batch Molecular Weight: 432.56
Physical Appearance: Beige solid
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 98.9% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<tr>
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<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** SC 26196

**CAS Number:** 218136-59-5

**IUPAC Name:** α,α-Diphenyl-4-[(3-pyridinylmethylene)amino]-1-piperazinepentanenitrile

**Description:**
Selective δ6 desaturase inhibitor (IC₉₀ = 0.2 μM in vitro). Displays selectivity over δ5 and δ9 desaturases (IC₉₀ values are >200 μM in vitro). Exhibits anti-inflammatory properties in a mouse edema model.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₇₀H₆₀N₈·½H₂O
- **Batch Molecular Weight:** 432.56
- **Physical Appearance:** Beige solid
- **Minimum Purity:** >98%
- **Batch Molecular Structure:**

```
N  N              N
 \ / \            / \  \\
(Ph) (Ph)         (Ph)
```

**Storage:** Store at -20°C

**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:**