Product Name: Dynole 34-2
Catalog No.: 4222
Batch No.: 1
CAS Number: 1128165-88-7
IUPAC Name: 2-Cyano-3-[1-[3-(dimethylamino)propyl]-1H-indol-3-yl]-N-octyl-2-propenamide

1. PHYSICAL AND CHEMICAL PROPERTIES

- Batch Molecular Formula: C_{25}H_{36}N_{4}O
- Batch Molecular Weight: 408.58
- Physical Appearance: Yellow solid
- Solubility: DMSO to 100 mM, ethanol to 50 mM
- Storage: Store at +4°C

2. ANALYTICAL DATA

- TLC: \( R_f = 0.14 \) (Dichloromethane:Methanol [95:5])
- HPLC: Shows 99.5% purity
- \(^1\)H NMR: Consistent with structure
- Mass Spectrum: Consistent with structure
- Microanalysis:
  - Carbon: Theoretical 73.49, Found 73.24
  - Hydrogen: Theoretical 8.88, Found 8.85
  - Nitrogen: Theoretical 13.71, Found 13.85

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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**Description:**  
Dynamin I inhibitor (IC$_{50}$ = 1.3 μM). Inhibits receptor-mediated endocytosis (RME) (IC$_{50}$ = 5.0 μM).

**Physical and Chemical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Molecular Formula</td>
<td>C$<em>{25}$H$</em>{30}$N$_{2}$O</td>
</tr>
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<td>Batch Molecular Weight</td>
<td>408.58</td>
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<td>Physical Appearance</td>
<td>Yellow solid</td>
</tr>
</tbody>
</table>

**Minimum Purity:** >99%

**Storage:** Store at +4°C

**Solubility & Usage Info:**

- DMSO to 100 mM
- ethanol to 50 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:**
