1. PHYSICAL AND CHEMICAL PROPERTIES

- Batch Molecular Formula: \( \text{C}_{25}\text{H}_{31}\text{N}_5\text{O}_4 \)
- Batch Molecular Weight: 465.54
- Physical Appearance: Yellow solid
- Solubility: DMSO to 100 mM
- Storage: Store at -20°C
- Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

- TLC: \( R_f = 0.2 \) (Dichloromethane:Methanol [95:5])
- HPLC: Shows 98.0% purity
- \(^1\text{H} \) NMR: Consistent with structure
- Mass Spectrum: Consistent with structure
- Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
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<tbody>
<tr>
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</tr>
<tr>
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Product Name: TRC 051384
Catalog No.: 4734
Batch No.: 1

CAS Number: 867164-40-7
IUPAC Name: \( \text{N'-[2-(4-Morpholinyl)ethyl]-N-[4-[3-[6-(4-morpholinyl)-2-pyridinyl]-1-oxo-2-propen-1-yl]phenyl]urea} \)

Description:

Physical and Chemical Properties:
Batch Molecular Formula: \( \text{C}_{25}\text{H}_{32}\text{N}_{2}\text{O}_{4} \)
Batch Molecular Weight: 465.54
Physical Appearance: Yellow solid

Minimum Purity: >98%

Storage: Store at -20°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO 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: