Product Name: NF 340  
CAS Number: 202982-98-7  
IUPAC Name: 4,4’-(Carbonyl bis(imino-3,1-(4-methyl-phenylene)carbonylimino)) bis(naphthalene-2,6-disulfonic acid) tetrasodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{37}\text{H}_{26}\text{N}_{4}\text{Na}_{4}\text{O}_{15}\text{S}_{4}\cdot 16\text{H}_{2}\text{O} \)

Batch Molecular Weight: 1275

Physical Appearance: Beige solid

Solubility: water to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows 95.2% 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>34.85</td>
<td>34.83</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.39</td>
<td>4.4</td>
</tr>
<tr>
<td>Nitrogen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Product Name**: NF 340  
**Catalog No.**: 3830  
**Batch No.**: 3

**CAS Number**: 202982-98-7  
**IUPAC Name**: 4,4’-(Carbonyl bis(imino-3,1-(4-methyl-phenylene)carbonylimino))bis(naphthalene-2,6-disulfonic acid) tetrasodium salt

**Description**: P2Y11 antagonist; exhibits 520-fold selectivity for P2Y11 over P2Y1, P2Y2, P2Y4, P2Y6 and P2Y12 receptors. Displays competitive antagonism against ATPγS (pIC50 values are 6.43 and 7.14 in Ca2+ and cAMP assays respectively).

**Physical and Chemical Properties**:  
**Batch Molecular Formula**: C42H28N8Na4O15S4·16H2O  
**Batch Molecular Weight**: 1275  
**Physical Appearance**: Beige solid  
**Minimum Purity**: >95%

**Batch Molecular Structure**:

![Molecular Structure](image)

**Storage**: Store at -20°C

**Solubility & Usage Info**:  
water to 20 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**:  