

**Product Name:** NF 157

**Catalog No.:** 2450

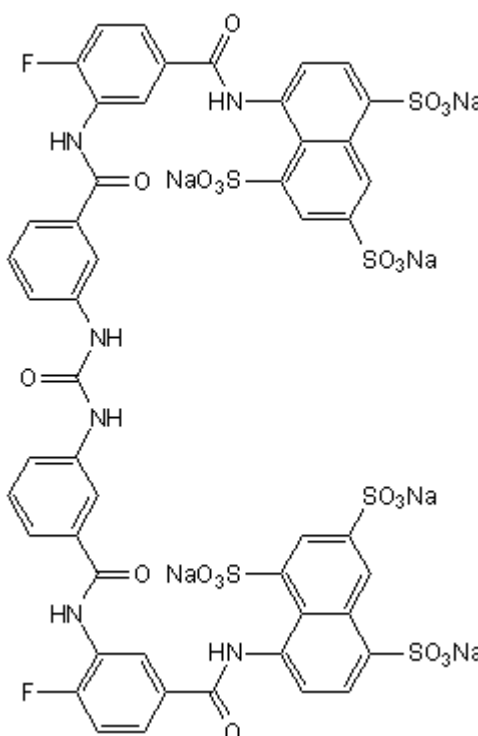
**Batch No.:** 2

**CAS Number:** 104869-26-3

**IUPAC Name:** 8,8'-[Carbonylbis[imino-3,1-phenylenecarbonylimino(4-fluoro-3,1-phenylene)carbonylimino]]bis-1,3,5-naphthalenetrisulfonic acid hexasodium salt

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{49}H_{28}F_2N_6Na_6O_{23}S_6 \cdot 13H_2O$   
**Batch Molecular Weight:** 1671.2191  
**Physical Appearance:** Pale pink solid  
**Solubility:** water to 50 mM  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 96% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	35.21	3.26	5.03
Found	35.06	2.91	5.15

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**Product Name: NF 157**

Catalog No.: 2450

Batch No.: 2

CAS Number: 104869-26-3

IUPAC Name: 8,8'-[Carbonylbis[imino-3,1-phenylenecarbonylimino(4-fluoro-3,1-phenylene)carbonylimino]]bis-1,3,5-naphthalenetrisulfonic acid hexasodium salt

**Description:**

Purinergic receptor antagonist that potently inhibits P2Y<sub>11</sub> receptor activity (IC<sub>50</sub> = 463 nM). Displays selectivity for P2Y<sub>11</sub> and P2X<sub>1</sub> receptors over P2Y<sub>1</sub>, P2Y<sub>2</sub>, P2X<sub>2</sub>, P2X<sub>3</sub>, P2X<sub>4</sub> and P2X<sub>7</sub> receptors. Inhibits NAD<sup>+</sup>-induced activation of human granulocytes.

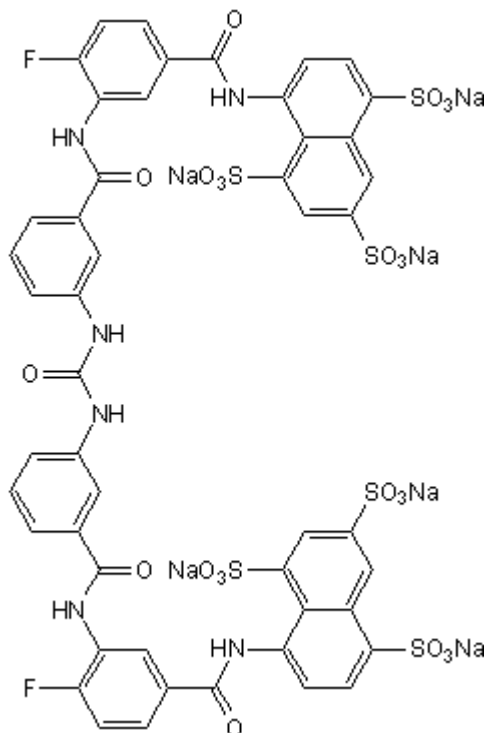
**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>49</sub>H<sub>28</sub>F<sub>2</sub>N<sub>6</sub>Na<sub>6</sub>O<sub>23</sub>S<sub>6</sub>·13H<sub>2</sub>O

Batch Molecular Weight: 1671.2191

Physical Appearance: Pale pink solid

**Batch Molecular Structure:**



**Storage:** Desiccate at RT

**Solubility & Usage Info:**

water 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:**

**Ullmann et al** (2005) Synthesis and structure-activity relationships of suramin-derived P2Y<sub>11</sub> receptor antagonists with nanomolar potency. *J.Med.Chem.* **48** 7040. PMID: 16250663.

**Moreschi et al** (2006) Extracellular NAD<sup>+</sup> is an agonist of the human P2Y<sub>11</sub> purinergic receptor in human granulocytes. *J.Biol.Chem.* **281** 31419. PMID: 16926152.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use