

Product Name: NF 157

Catalog No.: 2450

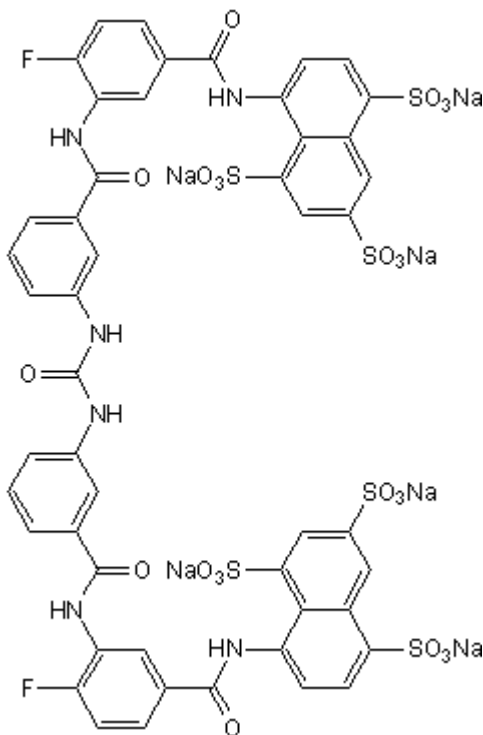
Batch No.: 2

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: C₄₉H₂₈F₂N₆Na₆O₂₃S₆·13H₂O
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
¹H 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

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Description:

Purinergic receptor antagonist that potently inhibits P2Y₁₁ receptor activity (IC₅₀ = 463 nM). Displays selectivity for P2Y₁₁ and P2X₁ receptors over P2Y₁, P2Y₂, P2X₂, P2X₃, P2X₄ and P2X₇ receptors. Inhibits NAD⁺-induced activation of human granulocytes.

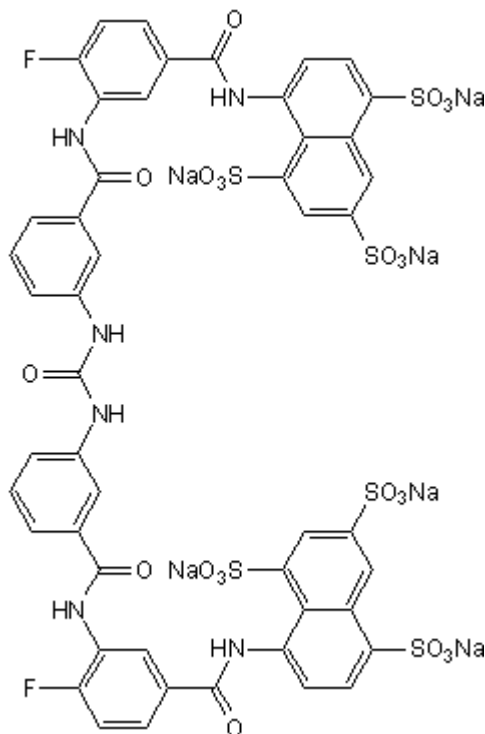
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References:

Ullmann et al (2005) Synthesis and structure-activity relationships of suramin-derived P2Y₁₁ receptor antagonists with nanomolar potency. *J.Med.Chem.* **48** 7040. PMID: 16250663.

Moreschi et al (2006) Extracellular NAD⁺ is an agonist of the human P2Y₁₁ purinergic receptor in human granulocytes. *J.Biol.Chem.* **281** 31419. PMID: 16926152.

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.

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