Product Name: NF 449  
Catalog No.: 1391  
Batch No.: 7

CAS Number: 627034-85-9  
IUPAC Name: 4,4',4''',4''''-[Carbonylbis(imino-5,1,3-benzenetriyl-bis(carbonylimino))]-tetrakis-1,3-benzenedisulfonic acid, octasodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{41}\text{H}_{24}\text{N}_{6}\text{Na}_8\text{O}_{29}\text{S}_8 \cdot 15\text{H}_2\text{O}$
Batch Molecular Weight: 1775.288
Physical Appearance: Off-white solid
Solubility: Water to 50 mM with gentle warming
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 93.3% purity
$^1\text{H} \text{NMR}$: Consistent with structure
Mass Spectrum: Consistent with structure
Product Name: NF 449
Catalog No.: 1391  Batch No.: 7

Description:
Potent purinergic receptor antagonist that displays high selectivity for P2X receptors (IC₅₀ values are 0.28, 0.69, 120, 1820, and > 30000 nM for rP2X₁, rP2X₁+₂, rP2X₂+₃, rP2X₃, and P2X₄ receptors respectively). Provides antithrombotic protection in vivo. Also acts as a Gₛₛ-selective antagonist.

Physical and Chemical Properties:
- **Batch Molecular Formula:** C₇₃H₂₉N₉Na₁₆O₂₅S₁₆
- **Batch Molecular Weight:** 1775.288
- **Physical Appearance:** Off-white solid

Storage: Store at RT

Solubility & Usage Info:
- Water to 50 mM with gentle warming

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: