

Product: Neo Heliopan AP Sodium Salt

## CERTIFICATE OF ANALYSIS

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## 1. Identification

Structure:

Catalogue N389945 CAS 226952-42-7 Number: Number:

Synonym: 1H-Benzimidazole-5,7-disulfonic acid, 2,2'-

(1,4-phenylene) Sodium Salt; 1H-

Benzimidazole-4,6-disulfonic acid, 2,2'-(1,4phenylene) Sodium Salt; Bisdisulizole Sodium;

Bisimidazylate Sodium Salt; Sodium

Bisdisulizole; Disodium

Phenyldibenzimidazoletetrasulfonate Sodium Salt; Neo Heliopan Sodium Salt; Neo Heliopan

APC Sodium Salt

Molecular Formula:

C20H14N4O12S4 • xNa +

Molecular weight:

630.60 + x(22.99)

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

**Purity:** Lot 6-SKR-92-4 95% Number:

This Product Is Stable To Be Storage Shipping Condition: -20°C Condition: Shipped At Room Temperature

2. Warning

Appearance

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

> Pale Yellow to Yellow Solid Light Yellow to Yellow Solid

Elemental

Conforms %C: 33.34, %H: 1.81, %N: 7.52 Analysis

Conforms MS Conforms to Structure

**HPLC Purity** Report Result 95.99% (340 nm)

Report Result 12.99% by Ion Chromatography Sodium Content

**NMR** Conforms to Structure Conforms

**Additional Information:** 

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm$  2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

**Reviewed By** 

Henry Tieu Toni Rantanen

**Reviewed By** 

C of A Approved By

Chanell Chu

5/27/2022

**Test Date** 

**Retest Date** 

5/25/2026