

Product Name: PSB 069

Catalog No.: 2573

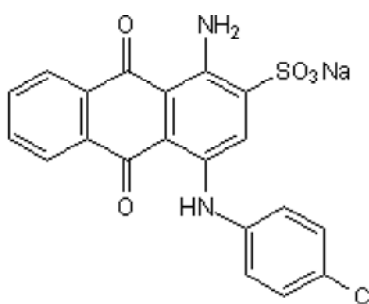
Batch No.: 4

CAS Number: 78510-31-3

IUPAC Name: 1-Amino-4-(4-chlorophenyl)aminoanthraquinone-2-sulfonic acid sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₂N₂O₅ClNa.2H₂O
Batch Molecular Weight: 486.86
Physical Appearance: Blue solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.41 (Chloroform:Methanol [4:1])
HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Sodium
Theoretical	49.34	3.31	5.75	5.1
Found	49.23	3.26	5.8	5.06

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Description:

Non-selective nucleoside triphosphate diphosphohydrolase (NTPDase) inhibitor. Reported to inhibit rat NTPDases 1, 2 and 3 with similar potencies.

Physical and Chemical Properties:

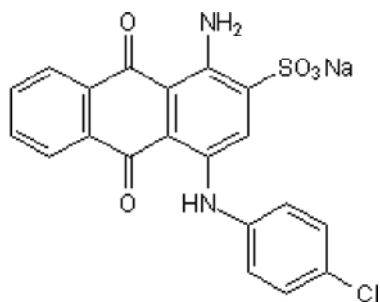
Batch Molecular Formula: C₂₀H₁₂N₂O₅ClSNa.2H₂O

Batch Molecular Weight: 486.86

Physical Appearance: Blue solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 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:

Baqi et al (2009) Structure activity relationships of anthraquinone derivatives derived from bromaminic acid as inhibitors of ectonucleoside triphosphate diphosphohydrolases(E-NTPDases). *Purinerg.Sig.* **5** 91.

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