

**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:** C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub>ClNa.2H<sub>2</sub>O

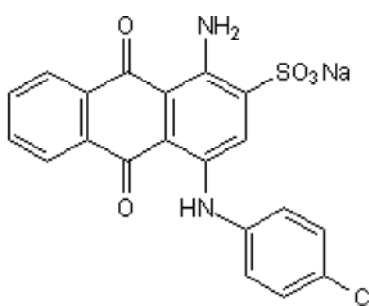
**Batch Molecular Weight:** 486.86

**Physical Appearance:** Blue solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.41 (Chloroform:Methanol [4:1])

**HPLC:** Shows 99.5% purity

**<sup>1</sup>H 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

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956

**Product Name:** PSB 069

**Catalog No.:** 2573

**4**

CAS Number: 78510-31-3

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

**Description:**

PSB 069 is a non-selective nucleoside triphosphate diphosphohydrolase (NTPDase) inhibitor. Reported to inhibit rat NTPDases 1, 2 and 3 with similar potencies.

**Physical and Chemical Properties:**

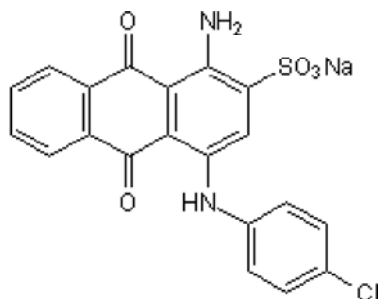
Batch Molecular Formula: C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub>ClNa.2H<sub>2</sub>O

Batch Molecular Weight: 486.86

Physical Appearance: Blue solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**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.

**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.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956