

**Product Name:** Ischemin sodium salt

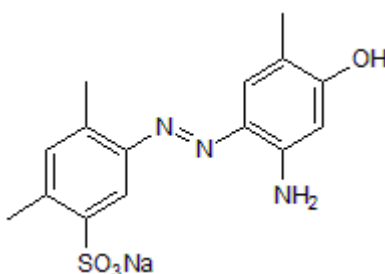
**Catalog No.:** 4695

**Batch No.:** 1

**IUPAC Name:** 5-[(1E)-2-(2-Amino-4-hydroxy-5-methylphenyl)diazenyl]-2,4-dimethylbenzenesulfonic acid sodium salt

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>15</sub>H<sub>16</sub>N<sub>3</sub>O<sub>4</sub>SNa.1½H<sub>2</sub>O  
**Batch Molecular Weight:** 384.38  
**Physical Appearance:** Orange solid  
**Solubility:** water to 100 mM  
DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.16 (Dichloromethane:Methanol [4:1])  
**HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	46.87	4.98	10.93
Found	47.11	4.92	10.88

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

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**Description:**

CBP bromodomain inhibitor. Inhibits p53 interaction with CBP and decreases p53 transcriptional activity. Protects against Doxorubicin-induced apoptosis in cardiomyocytes in vitro. Cell permeable.

**Physical and Chemical Properties:**

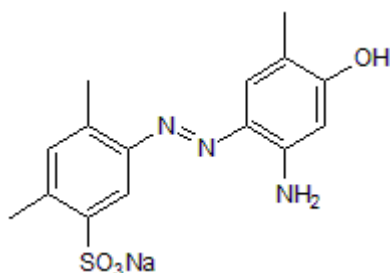
Batch Molecular Formula: C<sub>15</sub>H<sub>16</sub>N<sub>3</sub>O<sub>4</sub>SNa.1½H<sub>2</sub>O

Batch Molecular Weight: 384.38

Physical Appearance: Orange solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

water to 100 mM

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:**

**Borah et al** (2011) A small molecule binding to the coactivator CREB-binding protein blocks apoptosis in cardiomyocytes. *Chem.Biol.* **18** 531. PMID: 21513889.

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