

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: $C_{15}H_{16}N_3O_4SNa \cdot 1\frac{1}{2}H_2O$

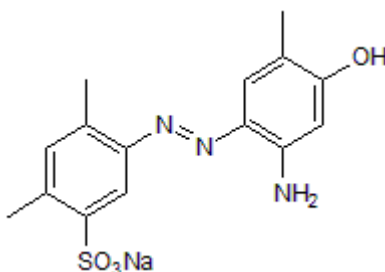
Batch Molecular Weight: 384.38

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: $R_f = 0.16$ (Dichloromethane:Methanol [4:1])

HPLC: Shows 100% purity

1H 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:

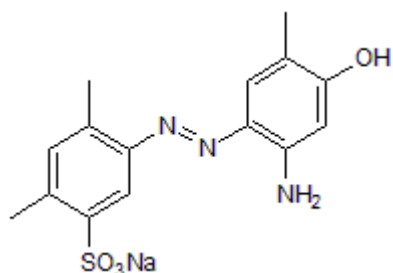
Batch Molecular Formula: C₁₅H₁₆N₃O₄SN_a.1 ½H₂O

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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