

## Certificate of Analysis

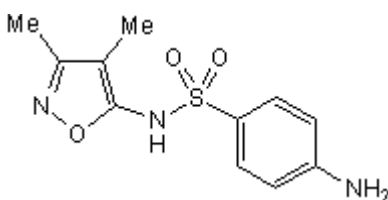
[www.tocris.com](http://www.tocris.com)

**Product Name:** Sulfisoxazole  
**CAS Number:** 127-69-5  
**IUPAC Name:** 4-Amino-*N*-(3,4-dimethyl-5-isoxazolyl)benzenesulfonamide

**Catalog No.:** 0731  
**Batch No.:** 1  
**EC Number:** 204-858-9

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>11</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>S  
**Batch Molecular Weight:** 267.31  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Melting Point:** Between 197 - 198°C  
**HPLC:** Shows >99.9% purity  
**Mass Spectrum:** Consistent with structure

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

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IUPAC Name: 4-Amino-*N*-(3,4-dimethyl-5-isoxazolyl)benzenesulfonamide

**Catalog No.:** 0731

**Batch No.:** 1

EC Number: 204-858-9

**Description:**

A selective ET<sub>A</sub> endothelin receptor antagonist (IC<sub>50</sub> values are 600 and 2200 nM for ET<sub>A</sub> and ET<sub>B</sub> receptors respectively).

**Physical and Chemical Properties:**

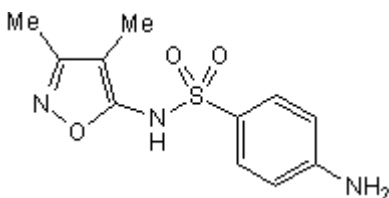
Batch Molecular Formula: C<sub>11</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>S

Batch Molecular Weight: 267.31

Physical Appearance: White solid

**Minimum Purity:** >99%

**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:**

Chan *et al* (1994) Identification of a new class of ET<sub>A</sub> selective endothelin antagonists by pharmacophore directed screening. *Biochem.Biophys.Res.Commun.* **201** 228. PMID: 8198578.

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