

## Certificate of Analysis

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

**Product Name:** SN 2

**Catalog No.:** 4907

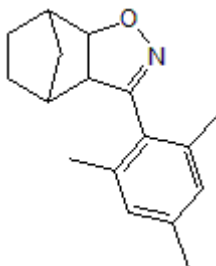
**Batch No.:** 1

**CAS Number:** 823218-99-1

**IUPAC Name:** 3a,4,5,6,7,7a-Hexahydro-3-(2,4,6-trimethylphenyl)-4,7-methano-1,2-benzisoxazole

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>17</sub>H<sub>21</sub>NO  
**Batch Molecular Weight:** 255.35  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	79.96	8.29	5.49
Found	80.01	7.97	5.55

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

## Product Information

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**IUPAC Name:** 3a,4,5,6,7,7a-Hexahydro-3-(2,4,6-trimethylphenyl)-4,7-methano-1,2-benzisoxazole

**Description:**

Selective TRPML3 channel activator ( $EC_{50} = 1.13 \mu M$ ).

**Physical and Chemical Properties:**

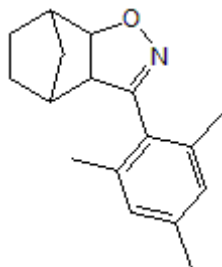
Batch Molecular Formula:  $C_{17}H_{21}NO$

Batch Molecular Weight: 255.35

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol 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:**

**Grimm et al** (2010) Small molecule activators of TRPML3. *Chem.Biol.* **17** 135. PMID: 20189104.

**Jörs** (2010) Genetic inactivation of *Trpml3* does not lead to hearing and vestibular impairment in mice. *PLoS ONE* **5** e14317. PMID: 21179200.

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