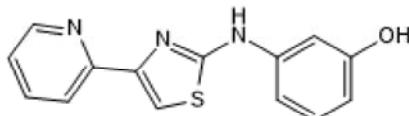


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** KCC 07**Catalog No.:** 6615**Batch No.:** 1

CAS Number: 315702-75-1

IUPAC Name: 3-[[4-(2-Pyridinyl)-2-thiazoly]amino]phenol

**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>14</sub>H<sub>11</sub>N<sub>3</sub>OS.H<sub>2</sub>O**Batch Molecular Weight:** 287.34**Physical Appearance:** Beige solid**Solubility:** DMSO to 100 mM  
ethanol to 20 mM**Storage:** Store at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 98.0% purity**<sup>1</sup>H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 58.52 4.56 14.62

Found 58.16 4.54 14.5

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

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# Product Information

[www.tocris.com](http://www.tocris.com)**Product Name:** KCC 07**Catalog No.:** 6615**Batch No.:** 1

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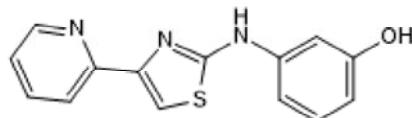
**Description:**

MBD2 (Methyl-CpG-binding domain protein 2) inhibitor. Prevents binding of MBD2 to methylated DNA and activates brain specific angiogenesis inhibitor 1 (BAI1)/p53 signaling. Inhibits medulloblastoma (MB) cell growth in vitro and reduces tumor size in mice bearing MB xenografts. Brain penetrant.

**Physical and Chemical Properties:**Batch Molecular Formula: C<sub>14</sub>H<sub>11</sub>N<sub>3</sub>OS.H<sub>2</sub>O

Batch Molecular Weight: 287.34

Physical Appearance: Beige solid

**Minimum Purity:** >98%**Batch Molecular Structure:****Storage:** Store at +4°C**Solubility & Usage Info:**DMSO to 100 mM  
ethanol to 20 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:**

Zhu *et al* (2018) BAI1 suppresses medulloblastoma formation by protecting p53 from Mdm2-mediated degradation. *Cancer Cell* **33** 1004. PMID: 29894688.

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