

## Certificate of Analysis

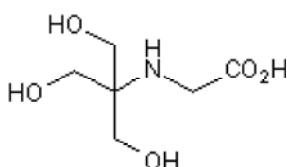
[www.tocris.com](http://www.tocris.com)

**Product Name:** Tricine  
**CAS Number:** 5704-04-1  
**IUPAC Name:** N-[2-Hydroxy-1,1-bis(hydroxymethyl)ethyl]glycine

**Catalog No.:** 5227      **Batch No.:** 2  
**EC Number:** 227-193-6

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>6</sub>H<sub>13</sub>NO<sub>5</sub>  
**Batch Molecular Weight:** 179.17  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Assay (Titration):** 99.1%  
**Moisture:** 0.3%  
**pKa:** 8.1  
**pH (1% in H<sub>2</sub>O):** 5.0  
**UV Absorbance (0.1M in H<sub>2</sub>O):** A<sub>260</sub> 0.0029; A<sub>280</sub> 0.0017

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

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IUPAC Name: N-[2-Hydroxy-1,1-bis(hydroxymethyl)ethyl]glycine

**Description:**

Electrophoresis buffer. Working pH range: 7.4 - 8.8. Commonly used in SDS-PAGE to separate peptides. Also used in other electrophoresis methods, high performance liquid chromatography and ion exchange chromatography.

**Physical and Chemical Properties:**

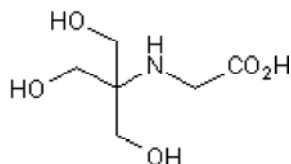
Batch Molecular Formula: C<sub>6</sub>H<sub>13</sub>NO<sub>5</sub>

Batch Molecular Weight: 179.17

Physical Appearance: White solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water 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.

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