

## Certificate of Analysis

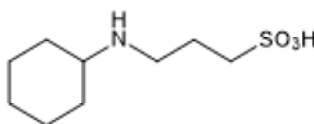
[www.tocris.com](http://www.tocris.com)

**Product Name:** CAPS  
CAS Number: 1135-40-6  
IUPAC Name: 3-(Cyclohexylamino)-1-propanesulfonic acid

**Catalog No.:** 5873      **Batch No.:** 2  
**EC Number:** 214-492-1

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>9</sub>H<sub>19</sub>NO<sub>3</sub>S  
**Batch Molecular Weight:** 221.32  
**Physical Appearance:** White solid  
**Solubility:** water to 50 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Assay (titration):** 99.2%  
**pKa:** 10.4

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:** CAPS**Catalog No.:** 5873**Batch No.:** 2

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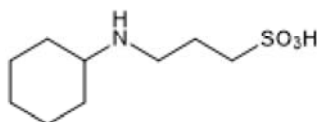
**Description:**

Widely used as buffer in Western blotting and SDS-PAGE.  
Working pH range in aqueous solution: 9.7 - 11.1.

**Physical and Chemical Properties:**Batch Molecular Formula: C<sub>9</sub>H<sub>19</sub>NO<sub>3</sub>S

Batch Molecular Weight: 221.32

Physical Appearance: White solid

**Minimum Purity:** ≥99%**Batch Molecular Structure:****Storage:** Store at RT**Solubility & Usage Info:**

water to 50 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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