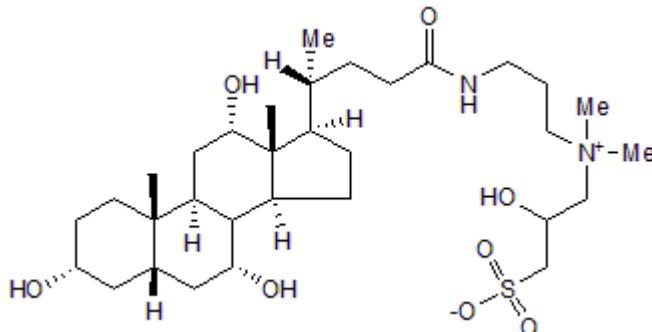


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** CHAPSO**Catalog No.:** 5825**Batch No.:** 1

CAS Number: 82473-24-3

IUPAC Name: 3-[(3-Cholamidopropyl)dimethylammonio]-2-hydroxy-1-propanesulfonate

**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>32</sub>H<sub>58</sub>N<sub>2</sub>O<sub>8</sub>S.1<sup>3/4</sup>H<sub>2</sub>O**Batch Molecular Weight:** 662.4**Physical Appearance:** White solid**Solubility:** water to 100 mM  
DMSO to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****<sup>1</sup>H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen  
Theoretical 58.02 9.36 4.23  
Found 57.91 9.49 4.11

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

**bio-technne.com**

info@bio-technne.com

techsupport@bio-technne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-technne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**[www.tocris.com/distributors](http://www.tocris.com/distributors)

Tel: +1 612 379 2956

**Product Name:** CHAPSO

**Catalog No.:** 5825

**Batch No.:** 1

**CAS Number:** 82473-24-3

**IUPAC Name:** 3-[(3-Cholamidopropyl)dimethylammonio]-2-hydroxy-1-propanesulfonate

**Description:**

A zwitterionic nondenaturing detergent for solubilizing membrane proteins.

**Storage:** Store at RT

**Solubility & Usage Info:**

water to 100 mM  
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.

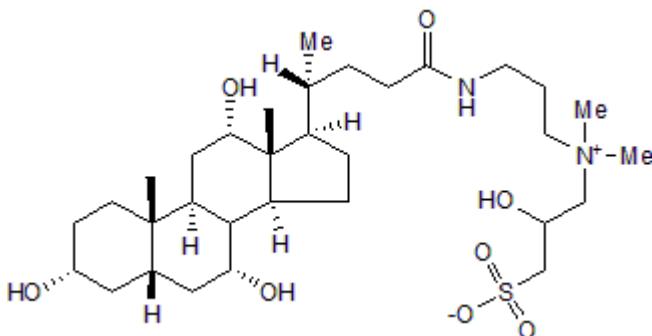
**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>32</sub>H<sub>58</sub>N<sub>2</sub>O<sub>8</sub>S.1<sup>3/4</sup>H<sub>2</sub>O

Batch Molecular Weight: 662.4

Physical Appearance: White solid

**Batch Molecular Structure:**



**References:**

**Zhao et al** (2014) Detergent-dependent separation of postsynaptic density, membrane rafts and other subsynaptic structures from the synaptic plasma membrane of rat forebrain. *J.Neurochem.* **131** 147. PMID: 24985044.

**Cladera et al** (1997) Liposome solubilization and membrane protein reconstitution using Chaps and Chapso. *Eur.J.Biochem.* **243** 798. PMID: 9057848.

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

**bio-technne.com**

info@bio-technne.com  
techsupport@bio-technne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-technne.com  
Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

[www.tocris.com/distributors](http://www.tocris.com/distributors)  
Tel: +1 612 379 2956