


Specification

CHAPS BioChemica

A1099

Physical Description:	Solid
Product Code:	A1099
Product Name:	CHAPS BioChemica
Specifications:	Assay (from N): min. 99 % Conductivity (0.1 M): max. 10.0 µS/cm Pb: max. 0.005 % Water (K.F.): max. 4 % N: approx. 4.5 % Na: max. 0.005 % A (1 cm/5 % in H ₂ O) 290 nm: max. 0.5 400 nm: max. 0.02
Hazard pictograms	
WGK:	1
Storage:	2-8°C
Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	H315 H319 H335
P Phrases:	P261 P280 P305+P351+P338

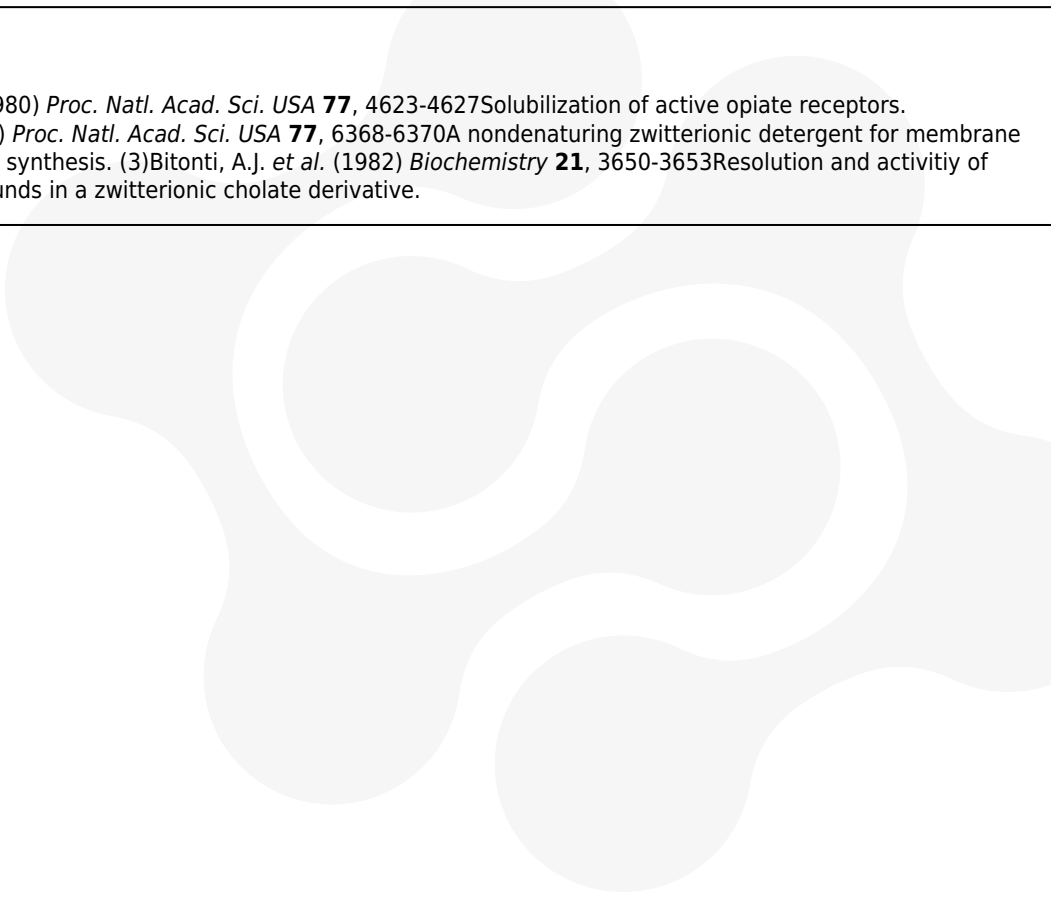
AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

Specification

CHAPS BioChemica

A1099

Molecular Formula:	C ₃₂ H ₅₈ N ₂ O ₇ S
M:	614.89 g/mol
CAS:	75621-03-3
EINECS:	616-246-2
CS:	29242970
Comment The detergent CHAPS is a derivative of cholate. It may be used e. g. at concentrations of 1 - 13 mM (1-3). CHAPS allows the isolation of many proteins in their native state, without losing much of its activity. Protein-protein interactions can be interrupted more efficiently as with Triton® X-100 or sodium cholate. CHAPS interferes with the Lowry protein assay.	
Bibliography (1)Simonds, W.F. <i>et al.</i> (1980) <i>Proc. Natl. Acad. Sci. USA</i> 77 , 4623-4627Solubilization of active opiate receptors. (2)Hjelmeland, L.M. (1980) <i>Proc. Natl. Acad. Sci. USA</i> 77 , 6368-6370A nondenaturing zwitterionic detergent for membrane biochemistry\; Design and synthesis. (3)Bitonti, A.J. <i>et al.</i> (1982) <i>Biochemistry</i> 21 , 3650-3653Resolution and activity of adenylate cyclase compounds in a zwitterionic cholate derivative.	
	

AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340