


Specification

Tris-(2-carboxyethyl)-phosphine hydrochloride *BioChemica*

A2233

Physical Description:	Solid
Product Code:	A2233
Product Name:	Tris-(2-carboxyethyl)-phosphine hydrochloride <i>BioChemica</i>
Specifications:	³¹ P-NMR: complies to standard (min. 98 %) Loss on drying: max. 1 %
Hazard pictograms	
UN:	3261
Class/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
Storage:	2-8°C
Signal Word:	Danger
GHS Symbols:	GHS05
H Phrases:	H314
P Phrases:	P280 P305+P351+P338 P310
Molecular Formula:	C ₉ H ₁₆ ClO ₆ P

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M:	286.70 g/mol
CAS:	51805-45-9
CS:	29420000

Bibliography

(1)Burns, J.A. *et al.* (1991) *J. Org. Chem.* **56**, 2648-2650 Selective reduction of disulfides by Tris-(2-carboxyethyl)-phosphine.
 (2)Han, J. *et al.* (1993) *Biochem. Mol. Biol. Int.* **31**, 1007-1015 Modification of catalytic properties of chicken liver Fructose 1,6-bisphosphatase by Allicin. (3)Han, J. & Han, G.Y. (1994) *Anal. Biochem.* **220**, 5-10A procedure for quantitative determination of Tris-(2-carboxyethyl)-phosphine, an odorless reducing agent more stable and effective than Dithiothreitol.
 (4)Han, J. *et al.* (1996) *Anal. Biochem.* **234**, 107-109 Quantitation of Hydrogen peroxide using Tris-(2-carboxyethyl)-phosphine. (5)Han, J. *et al.* (1996) *Anal. Biochem.* **242**, 150-152 Use of Tris-(2-carboxyethyl)-phosphine for quantitation of Iodine and Iodate.

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