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DATASHEET

HEPES Sodium salt

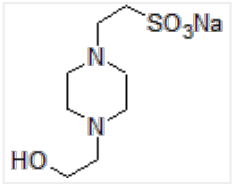
Product overview

Name	HEPES Sodium salt
Cat No	HB5187
Biological description	HEPES is a widely used cell culture buffering agent. It maintains physiological pH. Sodium salt.
Biological action	Reagent
Description	Buffering agent. Sodium salt.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (1000 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	Sodium 2-(4-(2-hydroxyethyl)piperazin-1-yl)ethanesulfonate
Molecular Weight	260.29
Chemical structure	
Molecular Formula	$C_8H_{17}N_2NaO_4S$
CAS Number	75277-39-3
PubChem identifier	2724248
SMILES	[Na+].OCCN1CCN(CCS([O-])(=O)=O)CC1
InChi	InChI=1S/C8H18N2O4S.Na/c11-7-5-9-1-3-10(4-2-9)6-8-15(12,13)14;/h11H,1-8H2,(H,12,13,14);/q;+1/p-1
InChiKey	RDZTWEVXRGYCFV-UHFFFAOYSA-M
MDL number	MFCD00036463

References

Effect of HEPES buffer systems upon the pH, growth and survival of Mycoplasma mycoides subsp. mycoides small colony (MmmSC) vaccine cultures

Waite ER *et al* (2001) FEMS Microbiol Lett 201(2)
PubMedID 11470376

The effects of hepes buffer on clotting tests, assay of factors V and VIII and on the hydrolysis of esters by thrombin and thrombokinase

Roberts PS *et al* (1976) Thromb Haemost 35(1)

PubMedID	989187