



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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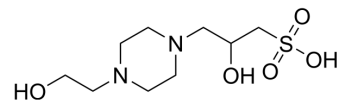
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HEPPSO

Cat. No.:	HY-D0874
CAS No.:	68399-78-0
Molecular Formula:	C ₉ H ₂₀ N ₂ O ₅ S
Molecular Weight:	268.33
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (931.69 mM; Need ultrasonic)
H₂O : 250 mg/mL (931.69 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.7268 mL	18.6338 mL	37.2675 mL
	5 mM		0.7454 mL	3.7268 mL	7.4535 mL
	10 mM		0.3727 mL	1.8634 mL	3.7268 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 110 mg/mL (409.94 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 4.17 mg/mL (15.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 4.17 mg/mL (15.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 4.17 mg/mL (15.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (9.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.32 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HEPPSO is a zwitterionic buffer. The working pH range of HEPPSO buffer is 7.1-8.5. HEPPSO displays relatively high ability to bind copper(II), has a pK_a of 7.84 at 2.0 mM buffer concentration^{[1][2]}.

REFERENCES

- [1]. Vasconcelos MT, et, al. Copper(II) complexation properties and surfactant activity of 3-[N, N-bis(2-hydroxyethyl)amino]-2-hydroxypropanesulfonic acid and N-(2-Hydroxyethyl)piperazine-N'-2-hydroxypropanesulfonic acid pH buffers which may affect trace metal speciation in in vitro studies. Anal Biochem. 1998 Dec 15; 265(2): 193-201.
- [2]. Mash HE, et, al. Complexation of copper by zwitterionic aminosulfonic (good) buffers. Anal Chem. 2003 Feb 1; 75(3): 671-7.
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Caution: Product has not been fully validated for medical applications. For research use only.

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