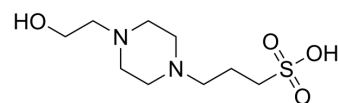


HEPPS

Cat. No.:	HY-D0873
CAS No.:	16052-06-5
Molecular Formula:	C ₉ H ₂₀ N ₂ O ₄ S
Molecular Weight:	252.33
Target:	Amyloid- β
Pathway:	Neuronal Signaling
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 2 years </div> <div> -20°C 1 year </div>



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (990.77 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass		
			1 mg	5 mg	10 mg
		1 mM	3.9631 mL	19.8153 mL	39.6306 mL
		5 mM	0.7926 mL	3.9631 mL	7.9261 mL
		10 mM	0.3963 mL	1.9815 mL	3.9631 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS				
	Solubility: 100 mg/mL (396.31 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	HEPPS (EPPS) is a buffering agent with the useful pH range from 7.3 ~ 8.7. HEPPS reduces A β -aggregate-induced memory deficits and rescues cognitive deficits in mice. EPPS is orally active and penetrates the blood-brain barrier ^[1] .
-------------	---

REFERENCES

[1]. Kim HY, et al. EPPS rescues hippocampus-dependent cognitive deficits in APP/PS1 mice by disaggregation of amyloid- β oligomers and plaques. Nat Commun. 2015 Dec 8;6:8997.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA