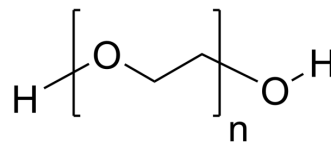


PEG500

Cat. No.:	HY-Y0873M
CAS No.:	25322-68-3
Molecular Formula:	$(C_2H_4O)_nH_2O$
Molecular Weight:	500
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (200.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0000 mL	10.0000 mL	20.0000 mL
	5 mM	0.4000 mL	2.0000 mL	4.0000 mL
	10 mM	0.2000 mL	1.0000 mL	2.0000 mL

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

BIOLOGICAL ACTIVITY

Description

PEG500 (Polyethylene glycol 500) is a multifunctional polymer used as a solvent, dispersant, lubricant, etc. in industries including pharmaceuticals, biotechnology, and other industries. PEG500 is often used as a solvent or carrier for drugs, which can assist capsule endoscopy to improve image quality and cecal completion rate^[1].

REFERENCES

[1]. Endo H, et al. Ingesting 500 ml of polyethylene glycol solution during capsule endoscopy improves the image quality and completion rate to the cecum. Dig Dis Sci. 2008 Dec;53(12):3201-5.

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

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