

Phosphoric acid disodium dodecahydrate

Cat. No.:	HY-Y1324
CAS No.:	10039-32-4
Molecular Formula:	H ₂₅ Na ₂ O ₁₆ P
Molecular Weight:	358.14
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (139.61 mM; Need ultrasonic)
DMSO : < 1 mg/mL (ultrasonic;warming;heat to 80°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.7922 mL	13.9610 mL	27.9220 mL
	5 mM	0.5584 mL	2.7922 mL	5.5844 mL
	10 mM	0.2792 mL	1.3961 mL	2.7922 mL

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

BIOLOGICAL ACTIVITY

Description

Phosphoric acid disodium dodecahydrate (Sodium phosphate dibasic dodecahydrate), as a food additive, can be used to improve the texture of food^[1].

REFERENCES

[1]. Chen J, et al. The gelation behavior of thiolated citrus high-methoxyl pectin induced by sodium phosphate dibasic dodecahydrate. Carbohydr Polym. 2022;277:118849.

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

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