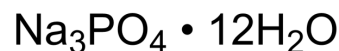


## Trisodium phosphate dodecahydrate

Cat. No.:	HY-W088066		
CAS No.:	10101-89-0		
Molecular Formula:	$H_{24}Na_{36}O_{16}P$		
Molecular Weight:	380.18		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

Trisodium phosphate dodecahydrate is a corrosion inhibitor for iron in 0.1 M NaClO<sub>4</sub>, in both aerated and deaerated solutions. Trisodium phosphate dodecahydrate can be used as an excipient, such as pH regulator, buffer. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs [1][2].

### REFERENCES

- [1]. Armstrong R D, et al. Behaviour of sodium silicate and sodium phosphate (tribasic) as corrosion inhibitors for iron[J]. Journal of applied electrochemistry, 1994, 24: 1244-1248.
- [2]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

**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