

Disodium phosphate

Cat. No.:	HY-Y0308
CAS No.:	7558-79-4
Molecular Formula:	$\text{HNa}_2\text{O}_4\text{P}$
Molecular Weight:	141.96
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)



BIOLOGICAL ACTIVITY

Description	Disodium phosphate is commonly used as a food additive, buffer and laboratory reagent. Disodium phosphate has unique chemical properties that make it an important ingredient in the manufacture of fertilizers, detergents and water treatment products. Additionally, it is used in various medical applications such as osmotic laxatives and electrolyte replacement solutions.
In Vitro	Disodium phosphate is also known as Na_2HPO_4 to adjust pH of liquid. Disodium phosphate can be used as an excipient, such as buffer, chelating agent. 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]} . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Baldus M, et al. Structure investigation on anhydrous disodium hydrogen phosphate using solid-state NMR and X-ray techniques[J]. Journal of the American Chemical Society, 1995, 117(18): 5141-5147.
- [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.

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