Diammonium phosphate

Cat. No.: HY-Y0302

CAS No.: 7783-28-0

Molecular Formula: $H_9N_2O_4P$

Molecular Weight: 132.06

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

$(NH_4)_2HPO_4$

SOLVENT & SOLUBILITY

In Vitro

H_2O : 50 mg/mL (378.62 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	7.5723 mL	37.8616 mL	75.7232 mL
	5 mM	1.5145 mL	7.5723 mL	15.1446 mL
	10 mM	0.7572 mL	3.7862 mL	7.5723 mL

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

BIOLOGICAL ACTIVITY

Description

Diammonium phosphate is a neutral and efficient catalyst in 1,8-Dioxo-octahydroxanthene derivatives synthesis. Diammonium phosphate can be used as an excipient, such as diuretic, buffer, effervescent. 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].

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