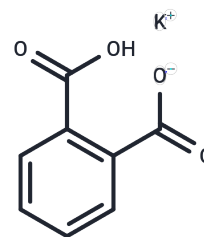


Potassium hydrogen phthalate

Chemical Properties

CAS No. :	877-24-7
Formula:	C ₈ H ₅ KO ₄
Molecular Weight:	204.22
Storage:	Store at RT Actual storage temperature shall be subject to the COA.



Biological Description

Description	Potassium hydrogen phthalate is a commonly used semi-organic salt that can be used as a buffer solution for pH calibration and to study the permeability of extracellular substances.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8967 mL	24.4834 mL	48.9668 mL
5 mM	0.9793 mL	4.8967 mL	9.7934 mL
10 mM	0.4897 mL	2.4483 mL	4.8967 mL
50 mM	0.0979 mL	0.4897 mL	0.9793 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Smith-Osorio JL, et al. Implementation of the Theoretical Coulometric Titration Curve in the Determination of the Amount of Substance of Potassium Hydrogen Phthalate: the Search for a Better Metrological Approach. ACS Omega. 2022 Dec 15;7(51):47851-47860.

Inagaki T, et al. The effect of path length, light intensity and co-added time on the detection limit associated with NIR spectroscopy of potassium hydrogen phthalate in aqueous solution. PLoS One. 2017 May 4;12(5):e0176920.

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