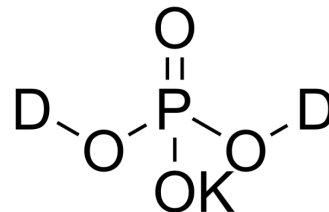


Phosphate monobasic-d₂ potassium

Cat. No.:	HY-Y0332BS
CAS No.:	13761-79-0
Molecular Formula:	D ₂ KO ₄ P
Molecular Weight:	138.1
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Phosphate monobasic-d ₂ (potassium) is the deuterium labeled Potassium phosphate monobasic[1]. Potassium phosphate monobasic (DiA) is commonly used in biological assay buffers. Potassium phosphate monobasic is moderate to highly concentrated aqueous solutions of potassium phosphate monobasic for the production of phosphate buffers and other laboratory applications.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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

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