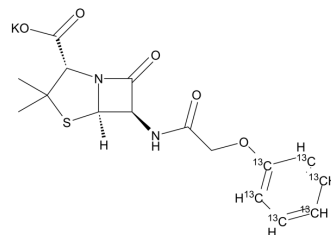


## Penicillin V-<sup>13</sup>C<sub>6</sub> potassium

<b>Cat. No.:</b>	HY-B0975S
<b>Molecular Formula:</b>	C <sub>10</sub> <sup>13</sup> C <sub>6</sub> H <sub>17</sub> KN <sub>2</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	394.44
<b>Target:</b>	Bacterial; Antibiotic; Isotope-Labeled Compounds
<b>Pathway:</b>	Anti-infection; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Penicillin V- <sup>13</sup> C <sub>6</sub> (potassium) is the <sup>13</sup> C <sub>6</sub> labeled Penicillin V (potassium). Penicillin V Potassium (Phenoxymethylpenicillin potassium salt) is an orally active antibiotic. Penicillin V Potassium inhibits the growth of Streptococci, C. difficile and S. aureus. Penicillin V Potassium can be used for the research of otitis, sinusitis, pharyngitis and tonsillitis.
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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- [3]. Norén T, et, al. In vitro susceptibility to 17 antimicrobials of clinical Clostridium difficile isolates collected in 1993-2007 in Sweden. Clin Microbiol Infect. 2010 Aug;16(8):1104-10.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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