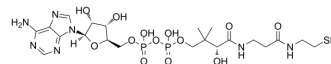


## Dephospho-CoA

Cat. No.:	HY-137899
CAS No.:	3633-59-8
Molecular Formula:	C <sub>21</sub> H <sub>35</sub> N <sub>7</sub> O <sub>13</sub> P <sub>2</sub> S
Molecular Weight:	687.55
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Dephospho-CoA is a direct precursor of Coenzyme A (CoA). Dephospho-CoA kinase (DPCK) catalyzes the ATP-dependent phosphorylation of Dephospho-CoA, the final step in coenzyme A (CoA) biosynthesis <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

[1]. Swift RP, et al. Dephospho-CoA kinase, a nuclear-encoded apicoplast protein, remains active and essential after *Plasmodium falciparum* apicoplast disruption. *EMBO J.* 2021 Aug 16;40(16):e107247.

[2]. Shimosaka T, et al. Identification of Dephospho-Coenzyme A (Dephospho-CoA) Kinase in *Thermococcus kodakarensis* and Elucidation of the Entire CoA Biosynthesis Pathway in Archaea. *mBio.* 2019 Jul 23;10(4):e01146-19.

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

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