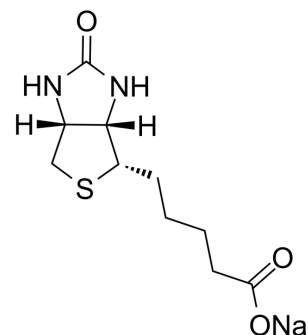


Biotin sodium

Cat. No.:	HY-B0511A
CAS No.:	56085-82-6
Molecular Formula:	C ₁₀ H ₁₅ N ₂ NaO ₃ S
Molecular Weight:	266.29
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Biotin (Vitamin B7) sodium is a water-soluble B vitamin and serves as a coenzyme for five carboxylases in humans, involved in the synthesis of fatty acids, isoleucine, and valine, and in gluconeogenesis. Biotin sodium is necessary for cell growth, the production of fatty acids, and the metabolism of fats and amino acids ^{[1][2][3]} .	
IC₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Mol Cell. 2023 Nov 20;S1097-2765(23)00914-0.
- Theranostics. 2020 May 22;10(15):6839-6853.
- MedComm. 2023 Apr 20.
- Pharmacol Res. 2022 Jan 5;106059.
- Int J Mol Sci. 2024 Jan 4, 25(1), 670.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Zempleni, et al. Biotin biochemistry and human requirements. J Nutr Biochem, 1999. 10(3): p. 128-38.
- [2]. Mock, D.M., Biotin status: which are valid indicators and how do we know? J Nutr, 1999. 129(2S Suppl): p. 498S-503S.
- [3]. Zempleni J, et al. Biotin. Biofactors. 2009 Jan-Feb;35(1):36-46.

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

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