

Phenylacetyl-Coenzyme A (sodium salt) Biochemical

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CATALOG #
AAA227332

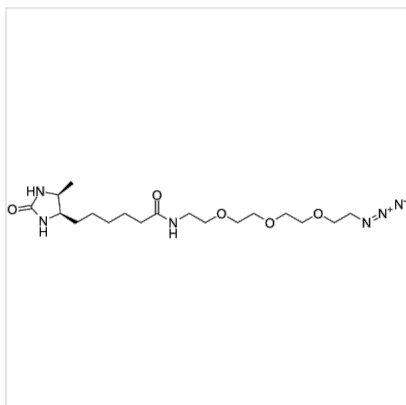
PRODUCT SYNONYMS

Phenylacetyl-Coenzyme A (sodium salt); Phenylacetyl-Coenzyme A (sodium salt) biochemical

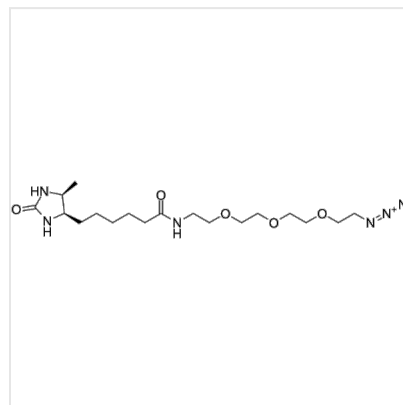
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Azide-PEG3-Desthiobiotin, CAS 1426828-06-9



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ADDITIONAL INFORMATION

Related Product Information for Phenylacetyl-Coenzyme A (sodium salt) biochemical	Phenylacetyl-coenzyme A (CoA) is a key intermediate in aerobic catabolism of phenylacetate in bacteria such as <i>Pseudomonas</i> , when cultured in minimal media using phenylacetate as the sole carbon source. ¹ It is a precursor in the synthesis of the antibiotic penicillin G found in industrial strains of <i>P. chrysogenum</i> . Phenylacetyl-CoA also acts as an effector molecule of the TetR family transcriptional repressor PaaR in <i>T. thermophilus</i> and the GntR family transcriptional regulator PaaX in <i>E. coli</i> and <i>Pseudomonas</i> , binding to each protein to induce derepression of various genes. ²
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. <i>EBioMedicine</i> . 2018 Oct;36:553-562

NCBI AND UNIPROT INFORMATION

Molecular Weight	414.507
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/phenylacetyl-coenzyme-a-sodium-salt/227332>