



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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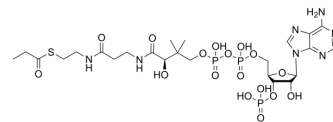
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## Propionyl CoA

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-141467                                                                                 |
| CAS No.:           | 317-66-8                                                                                  |
| Molecular Formula: | C <sub>24</sub> H <sub>40</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub> S           |
| Molecular Weight:  | 823.6                                                                                     |
| Target:            | Others                                                                                    |
| Pathway:           | Others                                                                                    |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | Propionyl CoA serves as a common intermediate in the catabolic pathways of 1,2-propanediol and propionate in <i>Salmonella enterica</i> serovar Typhimurium LT2, and also functions as a precursor for 2-methylcitrate. Propionyl CoA is utilized as a substrate for the 2-methylcitrate synthase (PrpC) enzyme to synthesize 2-methylcitrate <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | Human Endogenous Metabolite                                                                                                                                                                                                                                                                                                                                    |

### REFERENCES

[1]. Palacios S, et al. Propionyl coenzyme A is a common intermediate in the 1,2-propanediol and propionate catabolic pathways needed for expression of the prpBCDE operon during growth of *Salmonella enterica* on 1,2-propanediol. *J Bacteriol.* 2003;185(9):2802-2810.

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

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