



# 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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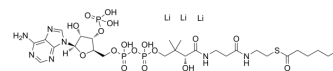
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## Hexanoyl coenzyme A trilithium

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-134438                                                                                       |
| CAS No.:           | 103476-19-3                                                                                     |
| Molecular Formula: | C <sub>27</sub> H <sub>46</sub> Li <sub>3</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub> S |
| Molecular Weight:  | 886.5                                                                                           |
| Target:            | Endogenous Metabolite                                                                           |
| Pathway:           | Metabolic Enzyme/Protease                                                                       |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis.       |



### BIOLOGICAL ACTIVITY

#### Description

Hexanoyl coenzyme A trilithium is a hexanoyl-based medium-chain fatty acyl coenzyme A that is present in all organisms. Hexanoyl coenzyme A trilithium can be used as a precursor for cannabinoid biosynthesis and acts as a competitive inhibitor of medium-chain acyl coenzyme A dehydrogenase (MCAD)<sup>[1][2]</sup>.

### REFERENCES

- [1]. Jake M Stout, et al. The hexanoyl-CoA precursor for cannabinoid biosynthesis is formed by an acyl-activating enzyme in Cannabis sativa trichomes. Plant J. 2012 Aug;71(3):353-65.
- [2]. K E Niezen-Koning, et al. Measurement of short-chain acyl-CoA dehydrogenase (SCAD) in cultured skin fibroblasts with hexanoyl-CoA as a competitive inhibitor to eliminate the contribution of medium-chain acyl-CoA dehydrogenase. Clin Chim Acta. 1994 Sep;229(1-2):99-106.

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

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