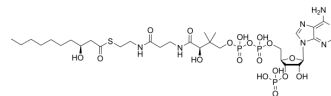


## 3-Hydroxydecanoyl-CoA

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-E70249                                                                                 |
| CAS No.:           | 79171-49-6                                                                                |
| Molecular Formula: | C <sub>31</sub> H <sub>54</sub> N <sub>7</sub> O <sub>18</sub> P <sub>3</sub> S           |
| Molecular Weight:  | 937.78                                                                                    |
| Target:            | Others                                                                                    |
| Pathway:           | Others                                                                                    |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

3-Hydroxydecanoyl-CoA (S-[(3S)-3-Hydroxydecanoate]-CoA) is a coenzyme, which is the main substrate for the synthesis enzyme PhaC1 of 1-benzyloxycarbonyl piperidine-4-yl acetic acid (PHA) in *P. aeruginosa*<sup>[1]</sup>.

### REFERENCES

[1]. Langenbach S, et al. Functional expression of the PHA synthase gene phaC1 from *Pseudomonas aeruginosa* in *Escherichia coli* results in poly(3-hydroxyalkanoate) synthesis. *FEMS Microbiol Lett.* 1997 May 15;150(2):303-9.

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

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