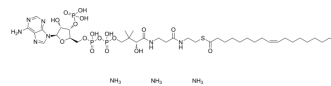


## Oleoyl Coenzyme A triammonium

<b>Cat. No.:</b>	HY-109591B
<b>CAS No.:</b>	799812-89-8
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>77</sub> N <sub>10</sub> O <sub>17</sub> P <sub>3</sub> S
<b>Molecular Weight:</b>	1083.07
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Oleoyl coenzyme A triammonium is the salt form of Oleoyl coenzyme A, which exhibits an inhibitory effects for neutral lipase. Oleoyl coenzyme A triammonium mediates ATP-dependent signal transduction pathway in plants <sup>[1][2]</sup> .
<b>In Vivo</b>	Oleoyl coenzyme A triammonium triggers the remobilization of the transcription factor RAP2.12 from plasma membrane to nucleus, and regulates the gene expression under hypoxia in <i>Arabidopsis thaliana</i> <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Schmidt RR, et al., Low-oxygen response is triggered by an ATP-dependent shift in oleoyl-CoA in *Arabidopsis*. *Proc Natl Acad Sci U S A*. 2018 Dec 18;115(51):E12101-E12110.
- [2]. Hills MJ, Murphy DJ, Beevers H. Inhibition of Neutral Lipase from Castor Bean Lipid Bodies by Coenzyme A (CoA) and Oleoyl-CoA. *Plant Physiol*. 1989 Mar;89(3):1006-10.

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

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