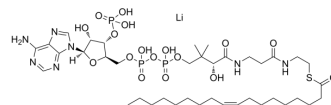


## Oleoyl coenzyme A lithium

<b>Cat. No.:</b>	HY-109591A
<b>CAS No.:</b>	188824-37-5
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>68</sub> LiN <sub>7</sub> O <sub>17</sub> P <sub>3</sub> S
<b>Molecular Weight:</b>	1038.92
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Oleoyl coenzyme A (Oleoyl-CoA) lithium is a thioester of oleic acid and coenzyme A. Oleoyl coenzyme A lithium has a role as an Escherichia coli metabolite and a mouse metabolite <sup>[1][2]</sup> .
<b>In Vitro</b>	Oleoyl coenzyme A (1 μM) can activate sulfonylurea receptor 1 (SUR1) linked to ATP-sensitive potassium channel Kir6.2 in Xenopus oocytes <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Regina Ensenaer, et al. Human acyl-CoA dehydrogenase-9 plays a novel role in the mitochondrial beta-oxidation of unsaturated fatty acids. J Biol Chem. 2005 Sep 16;280(37):32309-16.
- [2]. F M Gribble, et al. Mechanism of cloned ATP-sensitive potassium channel activation by oleoyl-CoA. J Biol Chem. 1998 Oct 9;273(41):26383-7.

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

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