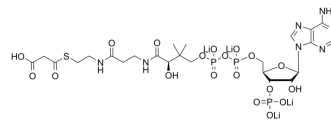


## Malonyl CoA tetralithium

Cat. No.:	HY-141473
CAS No.:	116928-84-8
Molecular Formula:	C <sub>24</sub> H <sub>34</sub> Li <sub>4</sub> N <sub>7</sub> O <sub>19</sub> P <sub>3</sub> S
Molecular Weight:	877.31
Target:	Endogenous Metabolite; Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Malonyl CoA (Malonyl coenzyme A) tetralithium is a substrate for fatty acid biosynthesis and an inhibitor of fatty acid oxidation. Malonyl CoA tetralithium is also a reversible inhibitor of mitochondrial carnitine palmitoyltransferase (CPT) 1<sup>[1][2]</sup>.

### REFERENCES

[1]. B E Corkey, et al. A role for malonyl-CoA in glucose-stimulated insulin secretion from clonal pancreatic beta-cells. J Biol Chem. 1989 Dec 25;264(36):21608-12.

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

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