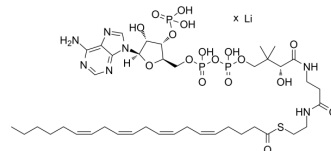


Arachidonoyl coenzyme A lithium

Cat. No.:	HY-134428
CAS No.:	188174-63-2
Molecular Formula:	$C_{41}H_{66}N_7O_{17}P_3S \cdot xLi$
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Arachidonoyl coenzyme A lithium is an unsaturated fatty acyl coenzyme A, formed by the condensation of the thiol group of coenzyme A with the carboxyl group of arachidonic acid ^[1] .
In Vivo	Arachidonoyl coenzyme A lithium is different of its synthetic activity in different regions, with higher synthesis in the homogenate and microsomes than in the cerebellum and brainstem while lower synthesis in the synaptic plasma membrane, and is unaltered in bicuculline-induced status epilepticus in male Wistar rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. T S Reddy, et al. Synthesis of arachidonoyl coenzyme A and docosahexaenoyl coenzyme A in synaptic plasma membranes of cerebrum and microsomes of cerebrum, cerebellum, and brain stem of rat brain. *J Neurosci Res.* 1985;13(3):381-90.

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

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