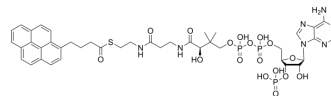


1-Pyrenebutanoyl-CoA

Cat. No.:	HY-E70252
CAS No.:	81923-89-9
Molecular Formula:	C ₄₁ H ₅₀ N ₇ O ₁₇ P ₃ S
Molecular Weight:	1037.86
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-Pyrenebutanoyl-CoA is a type of coenzyme A that can non-competitively inhibit ($K_i = 2 \text{ pM}$) phosphorylating (ADP-stimulated) respiration in rat liver mitochondria, and competitively inhibit ($K_i = 2.1 \text{ pM}$ and 15 pM) carnitine palmitoyl-CoA transferase and octanoyl-CoA transferase^[1].

REFERENCES

[1]. Wolkowicz PE, et al. (l-pyrenebutyryl)carnitine and 1-pyrenebutyryl coenzyme A: fluorescent probes for lipid metabolite studies in artificial and natural membranes. *Biochemistry*. 1982;21(12):2990-2996.

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

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