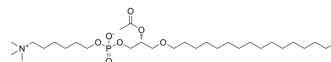


Hexanolamino PAF C-16

Cat. No.:	HY-132190
CAS No.:	137566-83-7
Molecular Formula:	C ₃₀ H ₆₂ NO ₇ P
Molecular Weight:	579.79
Target:	Platelet-activating Factor Receptor (PAFR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Hexanolamino PAF C-16 (1-O-hexadecyl-2-acetyl-sn-glycero-3-phospho (N,N,N trimethyl) hexanolamine) is a Platelet-activating Factor Receptor (PAFR) Modulator with partial agonist activity. Hexanolamino PAF C-16 induces platelet aggregation and macrophage production but fails to increase [Ca²⁺]_i in platelets, suggesting that PAF receptors may interact with PAF receptors through Ca²⁺-dependent and -independent pathways. Related to platelet aggregation^{[1][2]}.

REFERENCES

- [1]. Newman GE, et al. Utilization by human amniocytes for prostaglandin synthesis of [1-14C]arachidonate derived from 2-[1-14C]arachidonylphosphatidylcholine associated with human fetal pulmonary surfactant. *Biochim Biophys Acta*. 1993 Mar 10;1176(1-2):106-12.
- [2]. Grigoriadis G, et al. 1-O-hexadecyl-2-acetyl-sn-glycero-3-phospho (N,N,N trimethyl) hexanolamine: an analogue of platelet-activating factor with partial agonist activity. *Br J Pharmacol*. 1991 Sep;104(1):171-7.

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

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