Hexanolamino PAF C-16
Catalog No. 60905

CAS Registry No.: 137566-83-7
Formal Name: 1-O-hexadecyl-2-O-acetyl-3-glyceryl-3-phosphoryl(N,N,N-trimethyl)hexanolamine
MF: C57H82N2O5P
FW: 579.8
Purity: ≥ 98%
Stability: ≥ 1 year at -20°C
Supplied as: A lyophilized powder

Laboratory Procedures
For long term storage, we suggest that hexanolamino PAF C-16 be stored as supplied at -20°C. It will be stable for at least one year.

Hexanolamino PAF C-16 is supplied as a lyophilized powder. A stock solution may be made by dissolving the hexanolamino PAF C-16 in an organic solvent purged with an inert gas. Hexanolamino PAF C-16 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, at concentrations of 23 mg/ml, 0.5 mg/ml, and 1.5 mg/ml, respectively. Hexanolamino PAF C-16 will be stable for at least three months in these solvents if stored at -20°C.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of hexanolamino PAF C-16 can be prepared by directly dissolving the crystalline compound in aqueous buffers. The solubility of hexanolamino PAF C-16 in PBS (pH 7.2) is approximately 0.5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Hexanolamino PAF C-16 is a PAF analog with mixed PAF receptor agonist/antagonist properties. In human monocyte-derived macrophages, it is an antagonist which inhibits the production of reactive oxygen species in response to PAF C-16.1 On the other hand, in rabbit platelets and guinea pig macrophages, hexanolamino PAF C-16 is a partial agonist, and in guinea pig platelets it is a full agonist.2

References

Related Products
PAF C-16 • Cat. No. 60900 • Diholomo y -Linolenoyl PAF C-16 • Cat. No. 60901 • 2-O-methyl PAF C-16 • Cat. No. 60902 • Docosahexaenoyl PAF C-16 • Cat. No. 60903 • Arachidonoyl PAF C-16 • Cat. No. 60904 • Hexanolamino PAF C-16 • Cat. No. 60905 • Lyso-PAF C-16 • Cat. No. 60906 Eicosapentaenoyl PAF C-16 • Cat. No. 60907 • Methylcarbamyl PAF C-16 • Cat. No. 60908 • Pyrrolidino PAF C-16 • Cat. No. 60909 • 2-O-ethyl PAF C-16 • Cat. No. 60925

WARNING: This product is not intended or approved for human or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death.

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent under separate cover to the MSDS supervisor at your institution.

WARRANTY AND LIMITATION OF REMEDY
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals herein. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.
Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.
This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Cayman will not be liable for injury, death or damage to persons or property arising out of use of the material by Buyer, by Buyer’s agents, or by anyone using the material in any way.

No action can or shall be commenced against Cayman more than thirty (30) days after the date it is filed in any court.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Cayman Chemical Company 06/30/2009