2-O-methyl PAF C-16
Item No. 60902

CAS Registry No.: 78858-44-3
Formal Name: 1-O-hexadecyl-2-O-methyl-sn-glyceryl-3-phosphorylcholine
MF: C_{25}H_{54}NO_{6}P
FW: 495.7
Purity: ≥ 98%
Stability: ≥ 1 year at -20°C
Supplied as: A solution in ethanol

Laboratory Procedures
For long term storage, we suggest that 2-O-methyl PAF C-16 be stored as supplied at -20°C. It should be stable for at least one year. 2-O-methyl PAF C-16 is sparingly soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. For biological experiments, we suggest that organic solvent-free aqueous solutions of 2-O-methyl PAF C-16 be prepared by directly dissolving the 2-O-methyl PAF C-16 compound in aqueous buffers. The solubility of 2-O-methyl PAF C-16 in PBS, pH 7.2, is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day. 2-O-methyl-PAF C-16 is a synthetic PAF analog which contains a methyl group, attached by an ether linkage, at the sn-2 position. Although the biological activities of 2-O-methyl PAF C-16 have not been well characterized, the C-18 analog has been shown to mediate a number of biological responses including decreasing plasma membrane fluidity and inhibiting tumor cell invasiveness in embryonic chick heart. 1 In rat astrocytes, the C-18 analog causes the release of large quantities of NO by a pathway involving activation of NOS. 2

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/60902

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**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 Safety Data Sheet, which has been sent via email to your institution.

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