

Product Data Sheet

Product Name: Methylcarbamyl PAF C-8

Cat. No.: GC44181

Chemical Properties

Cas. No.

SMILES CCCCCCCCOC[C@@H](OC(N([H])C)=O)COP(OCC[N+](C)(C)C)([O-])=O

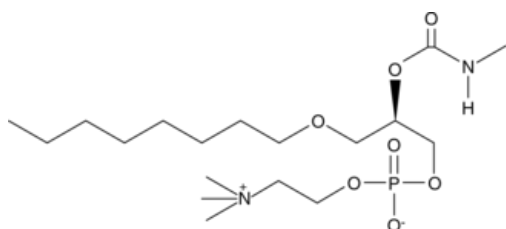
Formula C₁₈H₃₉N₂O₇P M.Wt 426.5

Solubility DMF: 25 mg/ml, DMSO: 25 mg/ml, Ethanol: 50 mg/ml, PBS (pH 7.2): 25 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Methylcarbamyl PAF C-8 is the C-8 analog of Methylcarbamyl PAF C-16. Methylcarbamyl PAF C-16 is a stable analog of PAF C-16 with a half-life greater than 100 minutes in platelet poor plasma due to its resistance to degradation by PAF-AH. It is nearly equipotent with PAF C-16 in its ability to induce platelet aggregation both in isolated platelets and in platelet-rich plasma. In NRK-49 cells overexpressing the PAF receptor, both PAF C-16 and methylcarbamyl PAF C-16 cause the induction of c-myc, c-fos, and the activation of mitogen-activated protein kinase. Methylcarbamyl PAF C-16 induces G1 phase cell cycle arrest, suggesting a potential role for PAF in the inhibition of oncogenic transformation.

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

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