

Product Data Sheet

Product Name: 2-thio-PAF

Cat. No.: GC18860

Chemical Properties

Cas. No. 96801-55-7

Chemical Name 1-O-hexadecyl-2-deoxy-2-thio-S-acetyl-sn-glycerol-3-phosphorylcholine

SMILES CCCCCCCCCCCCCCCCOC[C@@H](SC(C)=O)COP(OCC[N+](C)(C)C)([O-])=O

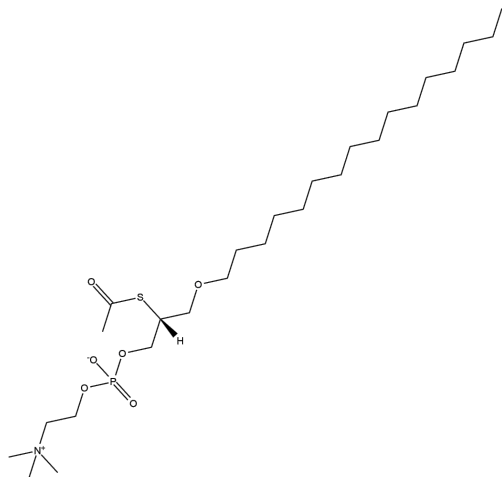
Formula $C_{26}H_{54}NO_6PS$ M.Wt 539.8

Solubility 25mg/mL in DMSO, or in DMF Storage Store at -80°C, protect from light

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

2-thio PAF is an isosteric analog of PAF. It is also a synthetic analog of PAF which contains an acetyl group attached by a thioester bond at the sn-2 position. It functions as a PAF receptor agonist, and its potency is comparable to PAF C-18 in rabbit platelet aggregation, and to PAF C-16 in the activation of guinea pig macrophages. 2-thio PAF is a substrate for lysophospholipase II and for PAF-AH.

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

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