

Product Data Sheet

Product Name: PAF C-18

Cat. No.: GC44541

Chemical Properties

Cas. No. 74389-69-8

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

Formula C₂₈H₅₈NO₇P

M.Wt 551.7

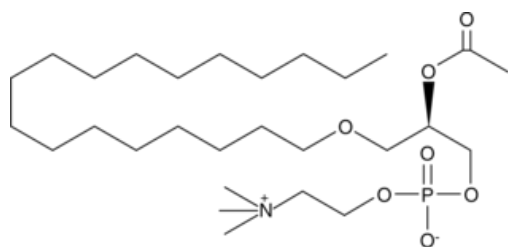
Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: 10 mg/ml, PBS pH 7.2: 20 mg/ml, Water: 20 mg/ml

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

PAF C-18 is a naturally occurring phospholipid produced upon stimulation through two distinct pathways known as the "remodeling" and 'de novo' pathways. It is less potent than PAF C-16 in the induction of platelet aggregation, but equipotent in activation of guinea pig macrophages. PAF C-18 induces the release of PGE₂ and TXB₂ from albumin-elicited guinea pig macrophages, and enhances the spreading of plated macrophages. Pathological processes involving PAF include necrotizing enterocolitis, inflammation, asthma, and allergy.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA