
Product Data Sheet

Product Name: 10-Pyrene-PC

Cat. No.: GC11055

Chemical Properties

Cas. No. 95864-17-8

O=C(CCCCCCCCCCCCCC)OC[C@@H]

SMILES (OC(CCCCCCCCCC1=CC(C=CC2=CC=C3)=C(C2=C3C=C4)C4=C1)=O)COP(OCC[N+](C)(C)C)([O-])=O

Formula C₅₀H₇₆NO₈P

M.Wt

850.1

Solubility Soluble in DMSO

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**

10-Pyrene-PC is a substrate for all PLA2s with the exception of cPLA2 and PAF-AH. Upon phospholipid hydrolysis, 10-pyrenyldecanoic acid is produced from 10-pyrene-PC. The monomeric 10-pyrenyldecanoic acid exhibits fluorescence (excitation 345 nm, emission 395 nm), allowing quantitation of phospholipase activity.

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

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