

Product Data Sheet

Product Name: PtdIns-(4,5)-P2-fluorescein triethylammonium

Cat. No.: GC80366

Chemical Properties

Cas. No.

Formula $C_{76}H_{135}N_6O_{25}P_3$

M.Wt 1625.83

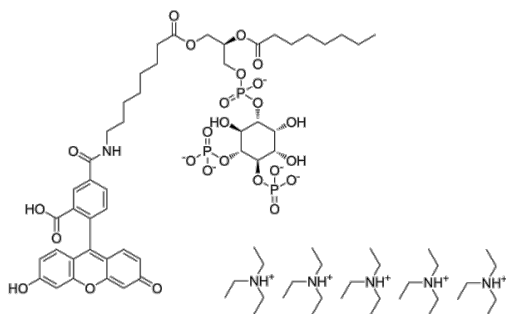
Solubility

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

PtdIns-(4,5)-P2-fluorescein (PI(4,5)P2-fluorescein) triethylammonium is a fluorescently labeled phosphatidylinositol-4,5-bisphosphate, which is a marked form of an important phospholipid signaling molecule (PIP2) on the cell membrane. PtdIns-(4,5)-P2-fluorescein triethylammonium can be used to detect proteins that interact with phosphatidylinositol-4,5-bisphosphate, such as PI3K, PTEN, and PH domain proteins, etc [1].

References:

[1]. Peng J, et al. The P300 acetyltransferase inhibitor C646 promotes membrane translocation of

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

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insulin receptor protein substrate and interaction with the insulin receptor. Journal of Biological Chemistry. 2022 Mar 1;298(3).

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