

Product Data Sheet

Product Name: DSPE-succinic acid

Cat. No.: GC74700

Chemical Properties

Cas. No. 248253-94-3

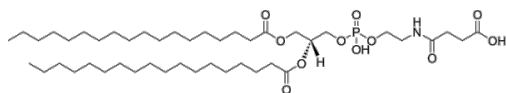
Formula $C_{45}H_{86}NO_{11}P$ M.Wt 848.14

Solubility DMF : 3.33 mg/mL (3.93 mM); ultrasonic and warming and heat to 60°C) Storage -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

DSPE-succinic acid is a phospholipid capped with a carboxylic acid moiety. The carboxylic acid moiety is reactive with amine to form a stable amide linkage. DSPE-succinic acid can be used to prepare nanoparticles or liposomes for agent nanocarrier to deliver therapeutics.

References:

[1]. Iiviere K, et al. Antitumor effect of folate-targeted liposomal doxorubicin in KB tumor-bearing mice

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

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after intravenous administration. J Drug Target. 2011 Jan;19(1):14-24.

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