

Product Data Sheet

Product Name: 6-((4-Hydroxybutyl)amino)hexyl 2-hexyldecanoate

Cat. No.: GC27892

Chemical Properties

Cas. No. 2644752-88-3

Chemical Name Decanoic acid, 2-hexyl-, 6-[(4-hydroxybutyl)amino]hexyl ester

SMILES CCCCCCCCC(CCCCCC)C(OCCCCCNCCCCO)=O

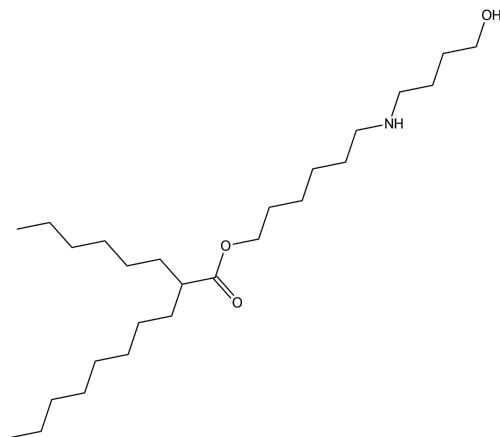
Formula $C_{26}H_{53}NO_3$ M.Wt 427.70

Solubility DMSO : 100 mg/mL (233.81 mM; Need ultrasonic) 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

6-((4-Hydroxybutyl)amino)hexyl 2-hexyldecanoate is a lipid, it can be used to synthesis nanomaterials. 6-((4-Hydroxybutyl)amino)hexyl provides the use of the nano-lipid particle as the key component in nucleic acid delivery, including the components of the delivery carrier^[1].

References:

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

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[1]. Hamilton Gregory Lawrence, et al. Nanomaterials comprising carbonates. WO2022140239. 2022.

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