

Product Data Sheet

Product Name: Ginsenoside C-K hexapropionate ester

Cat. No.: GC79765

Chemical Properties

Cas. No. 2861254-89-7

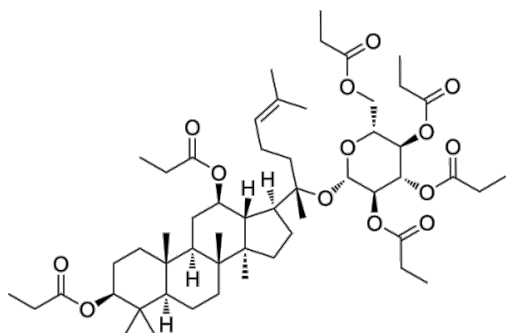
Formula $C_{54}H_{86}O_{14}$ M.Wt 959.25

Solubility DMSO: 50 mg/mL (52.12 mM; Need ultrasonic) Storage Store at 4°C, away from moisture and light

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



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

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Background

Ginsenoside C-K hexapropionate ester (Structure 2) is a selective agonist of LXR α , with no significant activation effect on LXR β . Ginsenoside C-K hexapropionate ester upregulates the expression of downstream genes such as ABCA1 by activating LXR α , promoting reverse cholesterol transport, and reducing lipid deposition in macrophage-derived foam cells. It can be used in the research of atherosclerosis. Ginsenoside C-K hexapropionate ester is a derivative synthesized from ginsenoside Compound K, an active metabolite of Panax notoginseng saponins, by modification with propionic anhydride [1].

References:

[1]. Huang Y, et al. Synthesis and Biological Evaluation of Ginsenoside Compound K Derivatives as a Novel Class of LXR α Activator. *Molecules*. 2017 Jul 24;22(7):1232.

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