

Product Data Sheet

Product Name: 3-sucCA

Cat. No.: GC73820

Chemical Properties

Cas. No. 94159-47-4

Formula $C_{28}H_{44}O_8$ M.Wt 508.64

Solubility DMSO : 175 mg/mL (344.05 mM; Storage -20°C
Need ultrasonic)

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.

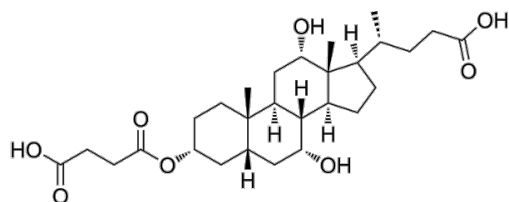
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

3-sucCA (3-Succinylated cholic acid) is a microbial derived bile acid. 3-sucCA is a lumen-restricted metabolite and alleviates MAFL-MASH progression in mouse models by reshaping the gut microbiota, especially by promoting the growth of *Akkermansia muciniphila*. 3-sucCA levels are lower in patients with biopsy-proven MAFLD.

References:

[1]. Nie Q, et al. Gut symbionts alleviate MASH through a secondary bile acid biosynthetic pathway. *Cell*. 2024 May 23;187(11):2717-2734.e33.

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