

Product Data Sheet

Product Name: A17
Cat. No.: GC91591

Chemical Properties

Cas. No. 2568186-47-8

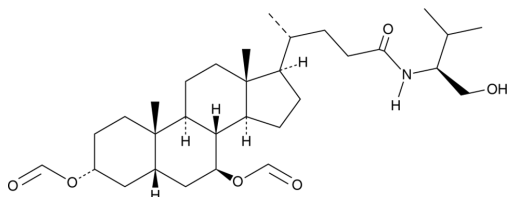
Formula $C_{31}H_{51}NO_6$ M.Wt 533.7

Solubility Chloroform: Sparingly soluble: 1-10 mg/ml, Methanol: Slightly soluble: 0.1-1 mg/ml
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

A17 is a bile acid derivative.^[1] It reduces triglyceride accumulation induced by oleic acid, increases cell viability, and decreases oleic acid-induced lipid peroxidation in primary rat hepatocytes when used at concentrations of 10 and 25 μ M. A17 (25 μ M) reduces levels of CD36, also known as scavenger receptor B2 or fatty acid translocase, in primary rat hepatocytes. *In vivo*, A17 (50 mg/kg) reduces serum triglyceride, total cholesterol, and LDL levels, reverses hepatic steatosis, and decreases hepatic triglyceride, but not total cholesterol, levels in a hamster model of high-fat diet-induced non-alcoholic steatohepatitis (NASH).

References:

[1]. Wang, Y., Zhu, Y., Niu, J., et al. A novel bile acid analog, A17, ameliorated non-alcoholic steatohepatitis in high-fat diet-fed hamsters. *Toxicol. Appl. Pharmacol.* 404:115169 (2020).

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