

Product Data Sheet

Product Name: A17
Cat. No.: GC91591

Chemical Properties

Cas. No. 2568186-47-8

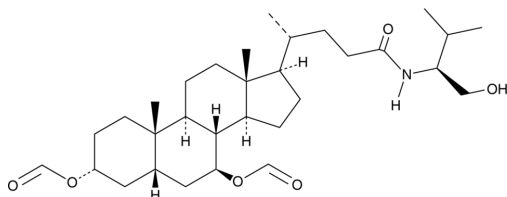
Formula $C_{31}H_{51}NO_6$ M.Wt 533.7

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 μM. A17 (25 μM) 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.

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