

Product Data Sheet

Product Name: Selovoxolone

Cat. No.: GC79726

Chemical Properties

Cas. No. 1786406-66-3

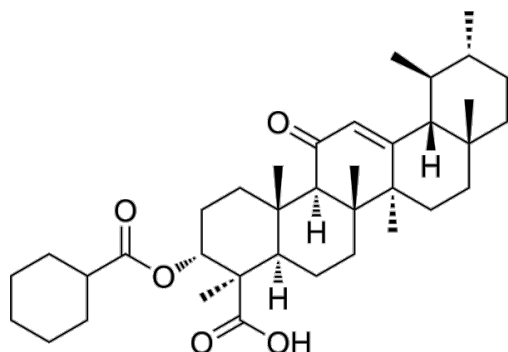
Formula $C_{37}H_{56}O_5$ M.Wt 580.84

Solubility DMSO: 100 mg/mL (172.16 mM; Need ultrasonic) Storage Store at -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

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

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Selovoxolone (CKBA), a derivative of AKBA is an inhibitor of acetyl-CoA carboxylase 1 (ACC1), with an IC₅₀ of 5.02 μ M. Selovoxolone inhibits the differentiation of Th17 cells and has IC₅₀ values of 3.28 μ M for mouse cells and 3.61 μ M for human cells. Selovoxolone ointment significantly alleviates psoriasis-like inflammation in mice. Selovoxolone can be used for the study of psoriasis [1].

References:

[1]. Lou F, et al. Identification and pre-clinical investigation of 3-O-cyclohexanecarbonyl-11-keto- β -boswellic acid as a drug for external use to treat psoriasis. Br J Pharmacol. 2024 Apr;181(8):1290-1307.

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