

Product Data Sheet

Product Name: CU06-1004

Cat. No.: GC71363

Chemical Properties

Cas. No. 1296734-08-1

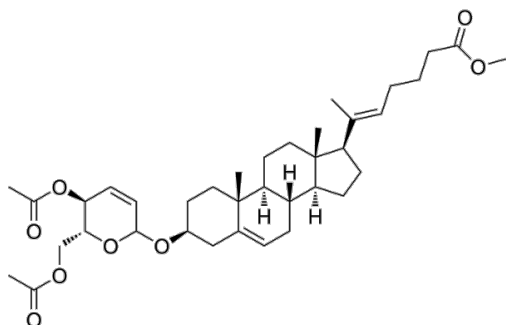
Formula $C_{37}H_{54}O_8$ M.Wt 626.82

Solubility DMSO : 100 mg/mL (159.54 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

CU06-1004 (Sac-1004) is an orally active endothelial dysfunction blocker. CU06-1004 ameliorates endothelial dysfunction by inhibiting hyperpermeability and inflammation, and is potent in inhibiting vascular leakage and inflammation in various animal models, such as diabetic retinopathy, stroke, cancer, and inflammatory bowel disease. CU06-1004 ameliorates CDAA-induced mouse model of

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

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NASH. CU06-1004 also improves cardiac function.<p>References:

- [1]. Zhang H, et al. CU06-1004 enhances vascular integrity and improves cardiac remodeling by suppressing edema and inflammation in myocardial ischemia-reperfusion injury. *Exp Mol Med*. 2022 Jan;54(1):23-34.
- [2]. Kim Y, et al. Efficacy of CU06-1004 via regulation of inflammation and endothelial permeability in LPS-induced acute lung injury. *J Inflamm (Lond)*. 2023 Apr 6;20(1):13.
- [3]. Bae CR, et al. Correction: The endothelial dysfunction blocker CU06-1004 ameliorates choline-deficient L-amino acid diet-induced non-alcoholic steatohepatitis in mice. *PLoS One*. 2021 Apr 5;16(4):e0249747.

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