Product Data Sheet

Product Name: emodin-6-O-β-D-glucopyranoside
Cat. No.: GF13780

Chemical Properties

Cas. No.	34298-85-6		
Formula	C21H20O10	M.Wt	432.38
Solubility		Storage	2-8°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

Emodin-6-O-尾-D-glucoside (Glucoemodin) is an active compound from Reynoutria japonica. Emodin-6-O-尾-D-glucoside shows potent anti-inflammatory and barrier protective effects. Emodin-6-O-尾-D-glucoside can be used for the research of diabetic complications and atherosclerosis.

Emodin-6-O-尾-D-glucoside (0~20 渭M; 24 hours; HUVECs) does not affect cell viability [1].

Caution: Product has not been fully validated for medical applications. For research use only.
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Emodin-6-O-尾-D-glucoside (0~10 渭M; 6 hours; HUVECs) results in a dose dependent decrease in high glucose-mediated membrane disruption, inhibits high glucose-induced increase expression of VCAM-1, ICAM-1 and E-selectin and results in decreased expression levels of high glucose-induced MCP-1 and IL-8 mRNA[1].
Emodin-6-O-尾-D-glucoside (10 渭M; 6 hours; HUVECs) results in a decrease in the number of THP-1 cells adhering to high glucose-induced HUVECs[1].
Emodin-6-O-尾-D-glucoside pretreatment significantly inhibits high-glucose-induced ROS formation and p65 NF-魏B expression levels increase[1].

Emodin-6-O-尾-D-glucoside (0~9 mg/mouse; i.v.) markly inhibits peritoneal leakage of dye induced by high glucose[1].

[1]. Lee W, et al. Emodin-6-O-尾-D--glucoside inhibits high-glucose-induced vascular inflammation. Inflammation. 2014;37(2):306-313.