
Product Data Sheet

Product Name: Curcumin- β -D-glucuronide

Cat. No.: GC63506

Chemical Properties

Cas. No. 227466-72-0

Formula $C_{27}H_{28}O_{12}$ M.Wt 544.5

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Curcumin- β -D-glucuronide is a major metabolite after oral intake of Curcumin in hepatic tissue and portal blood. Curcumin- β -D-glucuronide can be used for the research of colon cancer[1][2].

Curcumin- β -D-glucuronide (90 mg/kg; i.p. thrice a week for 3 weeks) exhibit potent anti-tumor effects on KRASm/TP53w HCT116 xenograft model[1].

[1]. Ozawa-Umeta H, et, al. Curcumin β -D-glucuronide exhibits anti-tumor effects on oxaliplatin-resistant colon cancer with less toxicity in vivo. Cancer Sci. 2020 May;111(5):1785-1793.

[2]. Ozawa H, et, al. Curcumin β -D-Glucuronide Plays an Important Role to Keep High Levels of Free-Form Curcumin in the Blood. Biol Pharm Bull. 2017;40(9):1515-1524.

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

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