

Product Data Sheet

Product Name: Podophyllotoxone

Cat. No.: GC64705

Chemical Properties

Cas. No. 477-49-6

Formula C₂₂H₂₀O₈

M.Wt 412.39

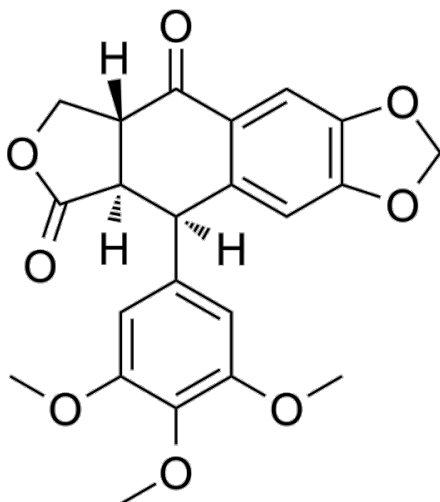
Solubility DMSO : 100 mg/mL (242.49 mM; Need ultrasonic)

Storage 4°C, away from moisture and light

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

Podophyllotoxone is isolated from the roots of *Dioscorea versipellis* and has anti-cancer activities. Podophyllotoxone is able to inhibit the tubulin polymerization[1].

Podophyllotoxone inhibits human prostate cancer cells PC3 and DU145 growth with IC₅₀ values of 14.7 and 20.6 μM[1].

[1]. Juan Li , et al. Absolute Configuration of Podophyllotoxone and Its Inhibitory Activity Against Human Prostate Cancer Cells. Chin J Nat Med. 2015 Jan;13(1):59-64.

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

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