
Product Data Sheet

Product Name: Guaiacin
Cat. No.: GC67938

Chemical Properties

Cas. No. 36531-08-5

Formula C₂₀H₂₄O₄

M.Wt 328.4

Solubility DMSO : 50 mg/mL (152.25 mM; Need ultrasonic)

Storage 4°C, protect from 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

Guaiacin is a arylnaphthalene type lignin isolated from the barks of *Machilus thunbergii* SIEB. et ZUCC (Lauraceae). Guaiacin significantly increases alkaline phosphatase activity and osteoblast differentiation^[1].

[1]. Lee MK, et al. Stimulatory activity of lignans from *Machilus thunbergii* on osteoblast differentiation. Biol Pharm Bull. 2007 Apr;30(4):814-7.

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

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