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## Product Data Sheet

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Product Name: (+)-Medioresinol

Cat. No.: GC67931

### Chemical Properties

Cas. No. 40957-99-1

Formula  $C_{21}H_{24}O_7$

M.Wt 388.41

Solubility DMSO : 50 mg/mL (128.73 mM; ultrasonic and warming and heat to 60°C)

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

(+)-Medioresinol is a furofuran type lignan with antifungal, antibacterial and leishmanicidal activities. (+)-Medioresinol leads to intracellular **ROS** accumulation and mitochondria-mediated **apoptotic** cell death in *Candida albicans*. (+)-Medioresinol can reduce the cardiovascular disease risk<sup>[1][2]</sup>.

[1]. Ji Hong Hwang, et al. (+)-Medioresinol leads to intracellular ROS accumulation and mitochondria-mediated apoptotic cell death in *Candida albicans*. *Biochimie*. 2012 Aug;94(8):1784-93.

[2]. Ji Hong Hwang, et al. Synergistic antibacterial and antibiofilm effect between (+)-medioresinol and antibiotics in vitro. *Appl Biochem Biotechnol*. 2013 Aug;170(8):1934-41.

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

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