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**Product Data Sheet**

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Product Name: Toralactone

Cat. No.: GC61338

**Chemical Properties**

Cas. No. 41743-74-2

SMILES O=C1C2=C(O)C3=C(O)C=C(OC)C=C3C=C2C=C(C)O1Formula  $C_{15}H_{12}O_5$  M.Wt 272.25

Solubility Storage Store at -20°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**

Toralactone, isolated from *Cassia obtusifolia*, mediates hepatoprotection via an Nrf2-dependent anti-oxidative mechanism[1].

Toralactone sensitizes resistant MCF-7adr cell line to paclitaxel via inhibiting P-glycoprotein efflux activity[2].

[1]. Yongtaek Seo, et al. Toralactone glycoside in *Cassia obtusifolia* mediates hepatoprotection via an Nrf2-dependent anti-oxidative mechanism. *Food Research International*. Volume 97, July 2017, Pages 340-346. [2]. Salwa D. Alqahtani, et al. Abstract 1205: Rubrofusarin and toralactone sensitizes resistant MCF-7adr cell line to paclitaxel via inhibiting P-glycoprotein efflux activity. AACR Annual Meeting 2017; April 1-5, 2017; Washington, DC.

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

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