

---

**Product Data Sheet**

---

Product Name: Taraxerone

Cat. No.: GC63605

**Chemical Properties**

Cas. No. 514-07-8

Formula C<sub>30</sub>H<sub>48</sub>O

M.Wt 424.7

Solubility THF : 10 mg/mL (23.55 mM; Need ultrasonic); DMSO : &lt; 1 mg/mL (insoluble or slightly soluble)

Store  
Storage 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**

Taraxerone is isolated from *Sedum sarmentosum*. Taraxerone enhances effects on alcohol dehydrogenase (ADH) and acetaldehyde dehydrogenase (ALDH) activities with EC<sub>50</sub> values of 512.42 and 500.16 μM, respectively[1].

Taraxerone significantly lowers the plasma alcohol and acetaldehyde concentrations in mice. Compare to the control group, the ADH and ALDH expressions in the liver tissues are abruptly increased in the taraxerone-treated groups after ethanol exposure[1]. Taraxerone prevents catalase, superoxide dismutase, and reduces glutathione concentrations from the decrease induced by ethanol administration[1].

[1]. Sung CK, et al. Taraxerone enhances alcohol oxidation via increases of alcohol dehydrogenase (ADH) and acetaldehyde dehydrogenase (ALDH) activities and gene expressions. *Food Chem Toxicol.* 2012 Jul;50(7):2508-14.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA