

---

**Product Data Sheet**

---

Product Name: Honokiol DCA

Cat. No.: GC62249

**Chemical Properties**

Cas. No. 1620160-42-0

Formula  $C_{22}H_{18}Cl_4O_4$  M.Wt 488.19

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**

Honokiol DCA (Honokiol dichloroacetate) is a dichloroacetate analog of Honokiol. Honokiol DCA can inhibit the growth of human prostate cancer cells in vitro and suppress the androgen receptor (AR) protein level[1].

Honokiol DCA (20-40  $\mu$ M; 24-48 h) inhibits the viability of LNCaP and C4-2 cells in a dose- and time-dependent manner[1]. Honokiol DCA (5-20  $\mu$ M; 10 days) inhibits clonogenicity of prostate cancer cells[1]. Honokiol DCA (20-40  $\mu$ M; 24-48 h) significantly decreases the level of androgen receptor (AR) and prostate specific antigen (PSA) protein in LNCaP cells[1]. Honokiol DCA (40  $\mu$ M; 24 h) significantly decreases AR promoter activity in LNCaP and C4-2 cells[1].

Honokiol

[1]. Hahm ER, et, al. Honokiol inhibits androgen receptor activity in prostate cancer cells. Prostate. 2014 Apr;74(4):408-20.

**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