

## Product Data Sheet

Product Name: Heraclenin

Cat. No.: GC36220

### Chemical Properties

Cas. No. 2880-49-1

SMILES CC1(C)[C@H](O1)COC2=C(OC=C3)C3=CC(C=C4)=C2OC4=O

Formula  $C_{16}H_{14}O_5$

M.Wt 286.28

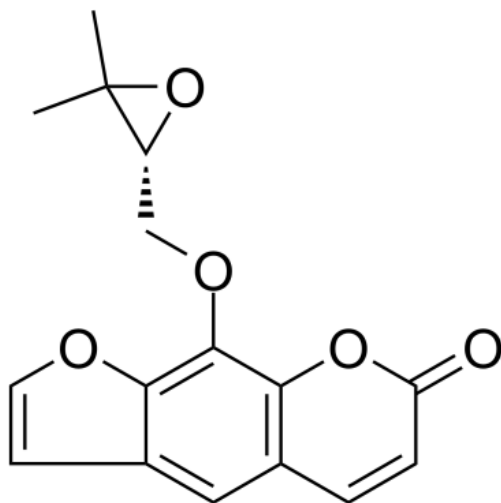
Solubility Soluble in DMSO

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

Heraclenin, a natural furanocoumarin, isolated from the root parts of the plant *Prangos pabularia*. Heraclenin significantly inhibits T cell receptor-mediated proliferation in human primary T cells in a concentration-dependent manner by targeting nuclear factor of activated T-cells (NFAT)[1]. NFAT[1]

[1]. Márquez N, et al. Imperatorin inhibits T-cell proliferation by targeting the transcription factor NFAT. *Planta Med.* 2004 Nov;70(11):1016-21.

**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