
Product Data Sheet

Product Name: Alloimperatorin

Cat. No.: GC35294

Chemical Properties

Cas. No. 642-05-7

SMILES C/C(C)=C/CC1=C(C=CO2)C2=C(O)C(O3)=C1C=CC3=OFormula $C_{16}H_{14}O_4$ M.Wt 270.28

Solubility Soluble in DMSO 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**

Alloimperatorin (Prangenidin), a coumarin compound, is extracted from *Angelica dahurica*. Alloimperatorin (Prangenidin) has antitumor activity[1][2].

[1]. Chen Q, et al. Supercritical fluid extraction for identification and determination of volatile metabolites from *Angelica dahurica* by GC-MS. *J Sep Sci*. 2008 Oct;31(18):3218-24. [2]. Li, H, et al. Alloimperatorin and Its Epoxide Derivative Exhibit in Vitro Antitumor Activity in HL-60 Acute Myeloid Leukemia Cancer Cells via Inducing Apoptosis, Cell Cycle Disruption and Inhibition of Cell Migration. *Bangladesh Journal of Pharmacology*, Vol. 11, no. 1, Jan. 2016, pp. 194-9.

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
