
Product Data Sheet

Product Name: Kuwanon E

Cat. No.: GC36403

Chemical Properties

Cas. No. 68401-05-8

SMILES O=C1C2=C(O)C=C(O)C=C2O[C@H](C3=CC(C/C=C(C)/CC/C=C(C)/C)=C(O)C=C3O)C1Formula C₂₅H₂₈O₆ M.Wt 424.49

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**

Kuwanon E is a flavonoid isolated from *Morus alba*, cytotoxic to human monocytic leukemic cell lines, and reduces the level of IL-1 β [1]. Kuwanon E shows cytotoxic activity against THP-1 human monocytic leukemic cell line, with an IC₅₀ of 4.0 \pm 0.08 μ M[1].

[1]. Zelová H, et al. Evaluation of anti-inflammatory activity of prenylated substances isolated from *Morus alba* and *Morus nigra*. *J Nat Prod.* 2014 Jun 27;77(6):1297-303.

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
