
Product Data Sheet

Product Name: Bellidifolin

Cat. No.: GC35487

Chemical Properties

Cas. No. 2798-25-6

SMILES O=C1C2=C(OC3=C1C(O)=CC=C3O)C=C(OC)C=C2OFormula $C_{14}H_{10}O_6$ M.Wt 274.23

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**

Bellidifolin is a xanthone isolated from the stems of *Swertia punicea*, with hepatoprotective, hypoglycemic, anti-oxidation, anti-inflammatory and antitumor activities[1][2][3]. Bellidifolin also acts as a viral protein R (Vpr) inhibitor[4].

[1]. Zhao ZY, et al. Protective effects of bellidifolin in hypoxia-induced in pheochromocytoma cells (PC12) and underlying mechanisms. *J Toxicol Environ Health A*. 2017;80(22):1187-1192. [2]. Zheng XY, et al. Two xanthones from *Swertia punicea* with hepatoprotective activities in vitro and in vivo. *J Ethnopharmacol*. 2014 May 14;153(3):854-63. [3]. Basnet P, et al. Bellidifolin: a potent hypoglycemic agent in streptozotocin (STZ)-induced diabetic rats from *Swertia japonica*. *Planta Med*. 1994 Dec;60(6):507-11. [4]. Woo SY, et al. Viral protein R inhibitors from *Swertia chirata* of Myanmar. *J Biosci Bioeng*. 2019 May 7.

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