
Product Data Sheet

Product Name: Rotundifuran

Cat. No.: GC61252

Chemical Properties

Cas. No. 50656-65-0

SMILES O[C@]1(CCC2=COC=C2)[C@H](C)C[C@@H](OC(C)=O)[C@@]3([H])C(C)(C)CCC[C@]13CFormula C₂₂H₃₄O₄ M.Wt 362.5

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**

Rotundifuran, a labdane type diterpene, is isolated from *Vitex rotundifolia*. Rotundifuran can inhibit the cell cycle progression and induce apoptosis in human myeloid leukaemia cells[1][2].

[1]. Ko WG, et, al. Rotundifuran, a labdane type diterpene from *Vitex rotundifolia*, induces apoptosis in human myeloid leukaemia cells. *Phytother Res.* 2001 Sep; 15(6):535-7. [2]. Li WX, et, al. Labdane-type diterpenes as new cell cycle inhibitors and apoptosis inducers from *Vitex trifolia* L. *J Asian Nat Prod Res.* 2005 Apr; 7(2): 95-105.

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
