
Product Data Sheet

Product Name: Benzoyloxypaeoniflorin

Cat. No.: GC35494

Chemical Properties

Cas. No. 72896-40-3

SMILES O=C(C1=CC=C(O)C=C1)OC[C@]([C@@]([C@]2(O)O3)([H])C4([C@]3([H])O[C@]5(C2)C)[C@]45O[C@]([C@@H]([C@@H](O)[C@@H]6O)O)([H])O[C@@H]6COC(C7=CC=CC=C7)=O

Formula C₃₀H₃₂O₁₃ M.Wt 600.57

Solubility DMSO : ≥ 100 mg/mL (166.51 mM) 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

Benzoyloxypaeoniflorin, isolated from the root of *Paeonia suffruticosa*, is a tyrosinase inhibitor against mushroom tyrosinase with IC₅₀ of 0.453 mM. Benzoyloxypaeoniflorin is NF-κB Inhibitor and contributes to improving blood circulation through its inhibitory effect on both platelet aggregation and blood coagulation[1][2][3]. IC₅₀: 0.453 mM (Mushroom tyrosinase)[1]NF-κB[2]

[1]. Ding HY, et al. Tyrosinase inhibitors isolated from the roots of *Paeonia suffruticosa*. J Cosmet Sci. 2009 May-Jun;60(3):347-52. [2]. Lu Y, et al. The Screening Research of NF-κB Inhibitors from Moutan Cortex Based on Bioactivity-Integrated UPLC-Q/TOF-MS. Evid Based Complement Alternat Med. 2019 Mar 3;2019:6150357. [3]. Koo YK, et al. Platelet anti-aggregatory and blood anti-coagulant effects of compounds isolated from *Paeonia lactiflora* and *Paeonia suffruticosa*. Pharmazie. 2010 Aug;65(8):624-8.

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
