

Product Data Sheet

Product Name: Gomisin G

Cat. No.: GC32210

Chemical Properties

Cas. No. 62956-48-3

SMILES COC1=C(OCO2)C2=CC([C@H](OC(C3=CC=CC=C3)=O)[C@](O)(C)[C@@H](C)C4)=C1C(C4=CC(OC)=C5OC)=C5OC

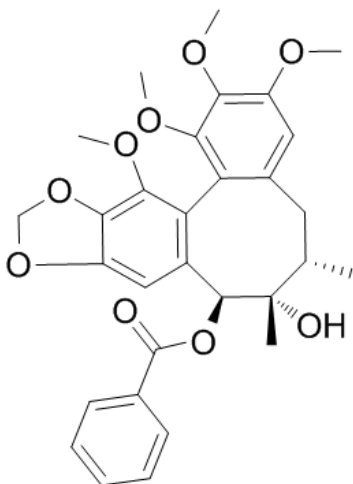
Formula $C_{30}H_{32}O_9$ M.Wt 536.57

Solubility DMSO : ≥ 50 mg/mL (93.18 mM); Water : < 0.1 mg/mL (insoluble) 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

Gomisin G is an ethanolic extract of the stems of Kadsura interior; exhibits potent anti-HIV activity with EC_{50} and therapeutic index (TI) values of 0.006 microgram/mL and 300, respectively.

[1]. Chen DF, et al. Anti-AIDS agents--XXVI. Structure-activity correlations of gomisin-G-related anti-HIV lignans from Kadsura interior and of related synthetic analogues. Bioorg Med Chem. 1997

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

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Aug;5(8):1715-23. [2]. Ikeya Y, et al. The constituents of Schizandra chinensis Baill. I. Isolation and structure determination of five new lignans, gomisin A, B, C, F and G, and the absolute structure of schizandrin. Chem Pharm Bull (Tokyo). 1979 Jun;27(6):1383-94.

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