

Product Data Sheet

Product Name: Xanthohumol D

Cat. No.: GC37939

Chemical Properties

Cas. No. 274675-25-1

SMILES O=C(C1=C(OC)C=C(O)C(CC(O)C(C)=C)=C1O)/C=C/C2=CC=C(O)C=C2

Formula $C_{21}H_{22}O_6$

M.Wt 370.4

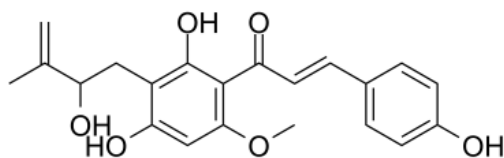
Solubility Soluble in DMSO

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

Xanthohumol D, isolated from hops, is an inhibitor of quinone reductase-2 (QR-2) with the IC₅₀ value of 110 μM, and binds to the active site of QR-2. Xanthohumol D shows antiproliferative activity on human cancer cell lines in vitro [1][2]. IC₅₀: 110 μM (Quinone reductase-2) [1]

[1]. Choi Y, et al. Screening natural products for inhibitors of quinone reductase-2 using ultrafiltration LC-MS. Anal Chem. 2011 Feb 1;83(3):1048-52. [2]. Tronina T, et al. Fungal metabolites of xanthohumol with potent antiproliferative activity on human cancer cell lines in vitro. Bioorg Med

Caution: Product has not been fully validated for medical applications. For research use only.

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Chem. 2013 Apr 1;21(7):2001-6.

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