

Product Data Sheet

Product Name: WF-3681

Cat. No.: GC48884

Chemical Properties

Cas. No. 105364-56-5

SMILES O=C1C(O)=C(C2=CC=CC=C2)C(CCC(O)=O)O1

Formula C₁₃H₁₂O₅

M.Wt 248.2

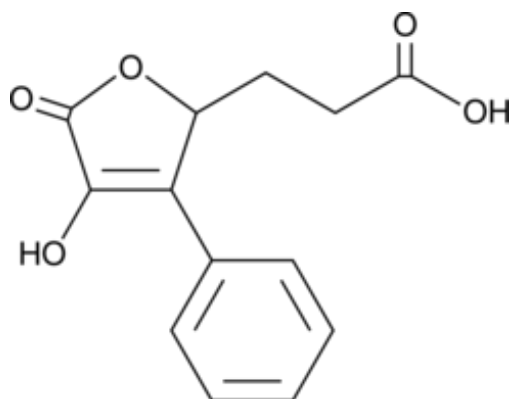
Solubility

Storage -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

WF-3681 is a butenolide fungal metabolite that has been found in *Acremonium*.¹ It inhibits aldose reductase (IC₅₀ = 0.25 μM for the rabbit lens enzyme).²

1. Ghisalberti, E.L., Hargreaves, J.R., and McConville, E. Butenolides from a cultured microfungus, *Acremonium* sp. Nat. Prod. Res. 18(2)105-109(2004) 2. Nishikawa, M., Yoshida, K., Okamoto, M., et al. Studies on WE-3681, a novel aldose reductase inhibitor. III. Effects of WF-3681 and its derivatives on sorbitol accumulation in diabetic rats. J. Antibiot. (Tokyo) 43(9)1186-1188(1990)

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

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