

Product Data Sheet

Product Name: Actiphenol

Cat. No.: GC48842

Chemical Properties

Cas. No. 526-02-3

SMILES O=C1NC(CC(CC(C2=C(O)C(C)=CC(C)=C2)=O)C1)=O

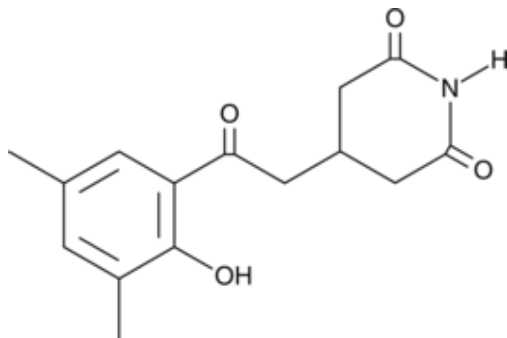
Formula C₁₅H₁₇NO₄ M.Wt 275.3

Solubility Soluble in DMSO; Soluble in Methanol Storage Store at -20°C, protect from light

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

Actiphenol is a bacterial metabolite that has been found in *Streptomyces* and has antiviral activity.^{1,2} It is active against coxsackievirus B3 and influenza A virus (IC₅₀s = 14.37 and 34.4 µg/ml, respectively).¹ Actiphenol (50 µg/disc) potentiates the antifungal activity of miconazole against *C. albicans* in a disc assay.²

1. Ji, X.-Y., Zhong, Z.-J., Xue, S.-T., et al. Synthesis and antiviral activities of synthetic glutarimide derivatives. *Chem. Pharm. Bull. (Tokyo)* 58(11):1436-1441 (2010) 2. Fukuda, T., Matsumoto, A., Takahashi, Y., et al. Phenolic acids A and B, new potentiators of antifungal miconazole activity produced by *Streptomyces* sp. K03-0132J. *Antibiot. (Tokyo)* 58(4):252-259 (2005)

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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