

Product Data Sheet

Product Name: Carviolin

Cat. No.: GC47046

Chemical Properties

Cas. No. 478-35-3

SMILES O=C1C2=C(C=C(CO)C=C2OC)C(C3=CC(O)=CC(O)=C31)=O

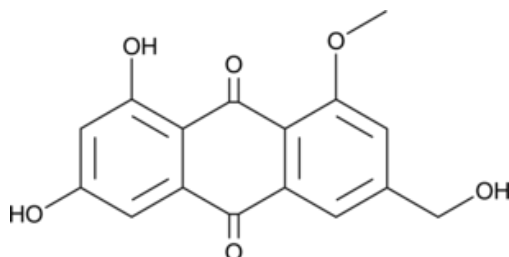
Formula C₁₆H₁₂O₆ M.Wt 300.3

Solubility Dichloromethane: soluble, DMSO: Storage Store at -20°C
soluble, Ethanol: soluble, Methanol:
soluble

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Carviolin is an anthraquinone fungal metabolite that has been found in *Z. longicaudata* with immunosuppressive and antitrypanosomal activities.^{1,2} It inhibits LPS- or concanavalin A-induced proliferation of mouse splenocytes (IC₅₀s = 4 and 4.5 µg/ml, respectively).¹ Carviolin is active against *T. b. brucei* (MIC = 41.66 µM).²

1. Fujimoto, H., Nakamura, E., Okuyama, E., et al. Six immunosuppressive features from an

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

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ascomycete, *Zopfiella longicaudata*, found in a screening study monitored by immunomodulatory activity *Chem. Pharm. Bull. (Tokyo)* 52(8)1005-1008(2004) 2. Aly, A.H., Debbab, A., Clements, C.M., et al. NF kappa B inhibitors and antitrypanosomal metabolites from endophytic fungus *Penicillium* sp. isolated from *Limonium tubiflorum* *Bioorg. Med. Chem.* 19(1)414-421(2011)

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