
Product Data Sheet

Product Name: Coumetarol (Dicumoxane)

Cat. No.: GC33781

Chemical Properties

Cas. No. 4366-18-1

SMILES COCC(C1=C(O)C2=CC=CC=C2OC1=O)C3=C(O)C4=CC=CC=C4OC3=O

Formula C₂₁H₁₆O₇ M.Wt 380.35

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**

Coumetarol (Dicumoxane) is a vitamin K antagonist.

Coumetarol (Dicumoxane), an oral anticoagulant, is active in both models. The vitamin K antagonist Coumetarol is effective in both models after oral treatment but inhibits the thrombus formation more strongly in the arterio-venous shunt model. Treatment with the vitamin K antagonist Coumetarol in a dose of 25 mg/kg p.o. twice daily for 2 days results in a significant reduction in thrombus weight by 50% in the venous stasis model and by 75% in the arterio-venous shunt model. In both experiments the coagulation time as measured by the Thrombotest is prolonged to the same extent[1].

[1]. Vogel GM, et al. Comparison of two experimental thrombosis models in rats effects of four glycosaminoglycans. Thromb Res. 1989 Jun 1;54(5):399-410.

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

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