
Product Data Sheet

Product Name: LM985
Cat. No.: GC33409

Chemical Properties

Cas. No. 87626-56-0

SMILES O=C(OCCN(CC)CC)CC1=C2C(C(C=C(C3=CC=CC=C3)O2)=O)=CC=C1

Formula $C_{23}H_{25}NO_4$ M.Wt 379.45

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

LM985 is one of a series of compounds based on the flavone ring structure, with anti-tumor activities.

LM985 shows inhibitory effects against MAC 13 cells, but MAC 15A cells are less sensitive to LM985[1].

LM985 (200 mg/kg, s.c.) shows moderate activity against MAC 13, and after repeated injection 7 days, responses are considerably enhanced[2].

[1]. M. C. Bibby, et al. Factors involved in the anti-cancer activity of the investigational agents LM985 (flavone acetic acid ester) and LM975 (flavone acetic acid). Br J Cancer. 1987 Feb; 55(2): 159-163. [2]. J. A. Double, et al. Pharmacokinetics and anti-tumour activity of LM985 in mice bearing transplantable adenocarcinomas of the colon. Br J Cancer. 1986 Oct; 54(4): 595-600.

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

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