
Product Data Sheet

Product Name: CCK-A receptor inhibitor 1

Cat. No.: GC31558

Chemical Properties

Cas. No. 137004-80-9

SMILES O=C(O)CCC(CS(=O)(C1=CC=C2C=CC=CC2=C1)=O)C(N(CCCOC)CCCC)=OFormula C₂₅H₃₅NO₆S M.Wt 477.61

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**

CCK-A receptor inhibitor 1 is a cholecystokinin A (CCK-A) receptor inhibitor with a binding IC₅₀ of 340 nM.

CCK-A receptor inhibitor 1 (Compound 7c) is a naphthyl sulfone derivative, which is synthesized and tested for cholecystokinin A (CCK-A) receptor inhibitory activity in order to study structure-activity relationships. Significant CCK-A receptor inhibitory activities are found in CCK-A receptor inhibitor 1 having very hydrophobic sidechains[1].

[1]. Ajisawa Y, et al. [Studies on the synthesis of cholecystokinin A receptor antagonists. III. Synthesis and cholecystokinin A receptor inhibitory activities of naphthyl sulfone derivatives]. Yakugaku Zasshi. 1996 Aug;116(8):647-56.

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

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