
Product Data Sheet

Product Name: GC 14
Cat. No.: GC33794

Chemical Properties

Cas. No. 447415-34-1

SMILES O=C(O)COC1=CC(C)=C(CC2=CC(C3=CC=C([N+])([O-])=O)C=C3)=C(O)C(C(C)C)=C2)C(C)=C1

Formula C₂₆H₂₇NO₆ M.Wt 449.5

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

GC 14 is a thyroid hormone antagonist.

GC 14 contains extensions at the 5'-position of the outer thyronine ring or from the bridging carbon and has only a modest affinity and potency for the thyroid hormone receptor (TR) that limits studies of their antagonistic actions[2].

[1]. Chiellini G, et al. Synthesis and biological activity of novel thyroid hormone analogues: 5'-aryl substituted GC-1 derivatives. *Bioorg Med Chem.* 2002 Feb;10(2):333-46. [2]. Nguyen NH, et al. Rational design and synthesis of a novel thyroid hormone antagonist that blocks coactivator recruitment. *J Med Chem.* 2002 Jul 18;45(15):3310-20.

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

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