
Product Data Sheet

Product Name: CO23
Cat. No.: GC65587

Chemical Properties

Cas. No. 1370363-74-8

Formula C₁₉H₁₈I₂N₂O₄

M.Wt 592.17

Solubility DMSO : 250 mg/mL (422.18 mM; Need ultrasonic) 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

CO23 is a selective thyroid hormone receptor (TR) α agonist and used for growth and development regulation. CO23 was able to be transported through the blood-brain barrier[1].

CO23 (ip; 0.04-5.0 nmol/g) has \approx 50% cholesterol reduction with 0.8 nmol/g dose and higher doses are equally effective. CO23 has no effect at the lowest dose of 0.04 nmol/g and increases Dio1 mRNA 5-, 10-, and 15-fold at the doses of 0.8, 2.5, and 5 nmol/g, respectively[1].

[1]. Grijota-Martínez C, et al. In vivo activity of the thyroid hormone receptor beta- and α -selective agonists GC-24 and CO23 on rat liver, heart, and brain. *Endocrinology*. 2011 Mar;152(3):1136-42.

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

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