

TCS 2510

Chemical Properties

CAS No. : 346673-06-1

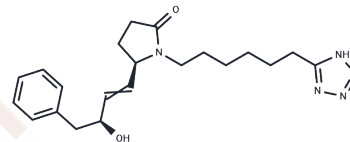
Formula: C₂₁H₂₉N₅O₂

Molecular Weight: 383.49

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	TCS 2510 (CAY10598) is a selective PGE ₂ and EP ₄ receptor agonist that enhances the intracellular concentration of cAMP and the abundance of active β -catenin. TCS 2510 inhibits TNF- α production and may be useful in the study of diseases associated with metabolic disorders.
Targets(IC ₅₀)	Prostaglandin Receptor
In vivo	In mice, TCS 2510 (at doses ranging from 0.1 to 10 mg/kg; P.o.) is able to cause a dose-dependent increase in plasma glucagon-like peptide 1 (GLP-1) levels in fasted mice measured 15 minutes post-administration of the compound[1].

Solubility Information

Solubility	Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6076 mL	13.0381 mL	26.0763 mL
5 mM	0.5215 mL	2.6076 mL	5.2153 mL
10 mM	0.2608 mL	1.3038 mL	2.6076 mL
50 mM	0.0522 mL	0.2608 mL	0.5215 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Coskun T, et al. Activation of prostaglandin E receptor 4 triggers secretion of gut hormone peptides GLP-1, GLP-2, and PYY. *Endocrinology*. 2013;154(1):45-53.

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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