
Product Data Sheet

Product Name: TSHR antagonist S37

Cat. No.: GC26016

Chemical Properties

Cas. No. 1217616-61-9

Formula C₂₅H₂₀N₂O₃S₂

M.Wt

460.57

Solubility

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**

TSHR antagonist S37 is a selective and competitive antagonist of the thyrotropin receptor (TSHR).

TSHR antagonist S37 not only inhibits the thyrotropin receptor (TSHR) activation by thyrotropin itself but also activation by monoclonal TSAb M22 (human), KSAb1 (murine), and the allosteric small-molecule agonist C2. Disease-related ex vivo studies in HEK 293 cells expressing the TSHR shows that TSHR antagonist S37 also inhibits cyclic adenosine monophosphate formation by oligoclonal thyroid stimulating antibodies (TSAb).[1]

TSHR antagonist S37 has no toxicity and a remarkable 53% oral bioavailability in mice, indicating by initial in vivo pharmacokinetic studies.[1];

[1] Neumann S, et al. Eur Thyroid J. 2020 Dec;9(Suppl 1):59-65.

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

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