

Product Data Sheet

Product Name: S961 acetate

Cat. No.: GC61550

Chemical Properties

Cas. No.

Formula $C_{213}H_{301}N_{55}O_{72}S_2$ M.Wt 4864.18

Solubility DMSO : 12.5 mg/mL (2.57 mM;)
Water : 1.79 mg/mL (0.37 mM; ultrasonic and adjust pH to 8 with NaOH)
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

GSLDESFYDWFERQLGGSGGSSLEEEWAQIQCEVWGRGCPSY
(Disulfide bridge: Cys₃₃-Cys₄₀) (Acetate salt)

Background

S961 acetate is an high-affinity and selective insulin receptor (IR) antagonist with IC₅₀s of 0.048, 0.027, and 630 nM for HIR-A, HIR-B, and human insulin-like growth factor I receptor (HIGF-IR) in SPA-assay, respectively[1].

S961 also shows high-affinity to Rat IR and Pig IR with IC₅₀s of 0.056 nM and 0.084 nM in PEG-

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

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assay, respectively[1].

[1]. SchÄffer L, et al. A novel high-affinity peptide antagonist to the insulin receptor. Biochem Biophys Res Commun. 2008 Nov 14;376(2):380-3.

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