

Product Data Sheet

Product Name: Exendin-4, Cy5 labeled

Cat. No.: GC80369

Chemical Properties

Cas. No.

Formula $C_{225}H_{332}ClN_{55}O_{64}S_2$ M.Wt 4931.02

Solubility DMSO: 100 mg/mL (20.28 mM; Need Storage Sealed storage, away from moisture ultrasonic)

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

His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-
Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-
Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-
Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-
Pro-Pro-Ser-{Cys-Mal-CY5}-NH₂

Background

Exendin-4, Cy5-labeled (Exendin-4-Cys(Cy5)) is a covalently linked Cy5 fluorescent group to Exendin-4, a GLP-1 receptor agonist. Exendin-4, Cy5-labeled enables the visualization imaging of β cells in vivo, especially for evaluating the expression dynamics of GLP-1R in type 2 diabetes models [1].

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

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References:

[1]. Lehtonen J, et al. Beta cell specific probing with fluorescent exendin-4 is progressively reduced in type 2 diabetic mouse models. *Islets*. 2015;7(6):e1137415.

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