

Product Data Sheet

Product Name: Cortistatin 29

Cat. No.: GC72197

Chemical Properties

Cas. No.

Formula $C_{161}H_{242}N_{46}O_{41}S_2$ M.Wt 3539.77

Solubility H_2O : 100 mg/mL (28.25 mM; Need ultrasonic) Storage Sealed storage, away from moisture and light

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

{Glp}-Glu-Arg-Pro-Pro-Leu-Gln-Gln-Pro-
Pro-His-Arg-Asp-Lys-Lys-Pro-Cys-Lys-
Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-
Cys-Lys

Background

Cortistatin 29 is a neuropeptide. Cortistatin 29 alleviates neuropathic pain. Cortistatin 29 binds with high affinity all somatostatin (SS) receptor subtypes and shows IC₅₀ values of 2.8, 7.1, 0.2, 3.0, 13.7 nM for SSTR1, SSTR2, SSTR3, SSTR4, SSTR5, respectively. Cortistatin 29 shows anti-fibrotic

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

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effects.

Cortistatin 29 (1-2 µg) alleviates chronic neuropathic pain in mouse [1].

Cortistatin 29 (1 nmol/mouse; i.p.; three times weekly) shows anti-fibrotic effects in mouse [4].

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