

Product Data Sheet

Product Name: Urocortin III, mouse

Cat. No.: GC37869

Chemical Properties

Cas. No. 357952-10-4

Formula $C_{186}H_{312}N_{52}O_{52}S_2$

M.Wt 4172.97

Solubility Soluble in DMSO

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

FTLSLDVPTNIMNLFNIDKAKNLRKAAANAQLMAQI-NH₂

Background

Urocortin III, mouse is a corticotropin-releasing factor (CRF)-related peptide. Urocortin III preferentially binds and activates CRF-R2[1]. Urocortin III (Ucn3) is a known component of the behavioral stress response system. Urocortin III and CRF-R2 in the medial amygdala regulate complex social dynamics[2].

[1]. Proc Natl Acad Sci U S A. 2001 Jun 19;98(13):7570-5. Lewis K, et al. Identification of urocortin III, an additional member of the corticotropin-releasing factor (CRF) family with high affinity for the CRF2 receptor. Identification of urocortin III, an additional member of the corticotropin-releasing

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

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factor (CRF) family with high affinity for the CRF2 receptor. [2]. Shemesh Y, et al. Ucn3 and CRF-R2 in the medial amygdala regulate complex social dynamics. Nat Neurosci. 2016 Nov;19(11):1489-1496.

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