
Product Data Sheet

Product Name: Cortagine

Cat. No.: GC50455

Chemical Properties

Cas. No.

Formula C₁₉₂H₃₂₃N₅₅O₆₃S

M.Wt

4442.06

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

Background

Potent and selective corticotrophin releasing factor receptor 1 (CRF1) agonist (EC₅₀ = 0.18 nM for rat CRF1). Displays anxiolytic and antidepressant activity in vivo.

Microinfusion into mouse prefrontal cortex reduces defensive behavior in vivo.

Tezval et al (2004) Cortagine, a specific agonist of corticotropin-releasing factor receptor subtype 1, is anxiogenic and antidepressive in the mouse model.

Proc.Natl.Acad.Sci.U.S.A. 101 9468 PMID:15192151 |Farrokhi et al (2007) Cortagine: behavioral and autonomic function of the selective CRF receptor subtype 1 agonist. CNS Drug Rev. 13 423 PMID:18078427 |Pentkowski et al (2013) Cortagine infused into the medial prefrontal cortex attenuates predator-induced defensive behaviors and Fos protein production in selective nuclei of the amygdala in male CD1 mice. Horm.Behav. 64 519 PMID:23845323

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

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