
Product Data Sheet

Product Name: Cortisol sulfate

Cat. No.: GC62906

Chemical Properties

Cas. No. 1253-43-6

Formula $C_{21}H_{30}O_8S$ M.Wt 442.52

Solubility Storage

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

Cortisol sulfate (Cortisol 21-sulfate) is a metabolite of Cortisol . Cortisol sulfate is a specific ligand for intracellular transcortin[1][2][3].

Cortisol sulfate (3 mg; i.m.; every other day; for 2-7 weeks) affects behavior through its direct action on the central nervous system[4].

[1]. C S Hall, et al. Simultaneous metabolism of cortisol sulfate and cortisol in normal human adults. J Clin Endocrinol Metab. 1970 Oct;31(4):439-44. [2]. S S Singer, et al. Enzymatic sulfation of steroids: I. The enzymatic basis for the sex difference in cortisol sulfation by rat liver preparations. Endocrinology. 1976 Apr;98(4):963-74. [3]. T Hayashi, et al. Cortisol-21-sulfate (FS) is a specific ligand for intracellular transcortin: demonstration of three types of high affinity corticosteroid binders in bovine aortic cytosol by a combined use of FS and RU 28362. Endocrinology. 1990 Jan;126(1):307-16. [4]. S Miyabo, et al. Behavioral and other systemic effects of cortisol-21 sulfate. Horm Behav. 1972 Sep;3(3):227-36.

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

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