

Product Data Sheet

Product Name: 5-Androstenetriol

Cat. No.: GC49827

Chemical Properties

Cas. No. 4150-30-5

SMILES C[C@@]12[C@]3([H])[C@](CC=C1C[C@H](CC2)O)([H])[C@@]4([H])[C@](CC3)([C@H]([C@@H](C4)O)O)C

Formula C₁₉H₃₀O₃

M.Wt 306.4

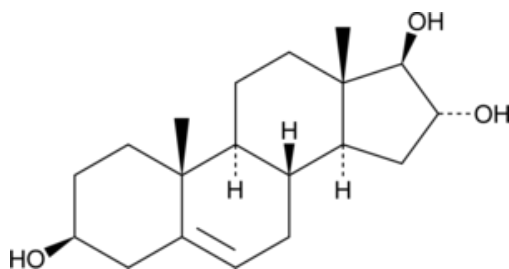
Solubility DMSO: soluble, Ethanol: soluble

Storage -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

5-Androstenetriol is a steroid and an active metabolite of dehydroepiandrosterone.¹ *In vivo*, 5-androstenetriol (0.75 mg/25 g body weight) reduces radiation-induced lethality and induces hematopoietic recovery from surviving stem cells in mice. It increases survival in a rat model of surgical trauma-induced sepsis when administered at a dose of 40 mg/kg.² Urinary levels of 5-androstenetriol are increased in women with androgenic alopecia.³

1. Loria, R.M., Conrad, D.H., Huff, T., et al. Androstenetriol and androstenediol. Protection against lethal radiation and restoration of immunity after radiation injury. *Ann. N. Y. Acad. Sci.* 917(1):860-

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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867(2000) 2.Marcu, A.C., Kielar, N.D., Paccione, K.E., et al.Androstenetriol improves survival in a rodent model of traumatic shockResuscitation71(3)379-386(2006) 3.Juricskay, S., and Telegdy, E.Urinary steroids in women with androgenic alopeciaClin. Biochem.33(2)97-101(2000)

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