
Product Data Sheet

Product Name: Equilenin
Cat. No.: GC18333

Chemical Properties

Cas. No. 517-09-9

Chemical Name 3-hydroxy-estra-1,3,5,7,9-pentaen-17-one

SMILES O=C1CC[C@@]([C@]1(C)CC2)([H])C3=C2C4=CC=C(O)C=C4C=C3

Formula $C_{18}H_{18}O_2$ M.Wt 266.3

Solubility Acetonitrile: Soluble,DMSO: Soluble,Methanol: soluble 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

Equilenin is an equine estrogen found in the urine of pregnant mares. Unlike naturally occurring human estrogens, equilenin has no effect on nitric oxide synthase (eNOS) activity or expression and does not increase production of nitric oxide (NO). It is metabolized to 4-hydroxyequilenin, a carcinogenic compound that induces transformation of C3H 10T1/2 murine fibroblasts. Formulations containing equilenin conjugates have been widely used as hormone replacement therapies for post-menopausal women.

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

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