

Product Data Sheet

Product Name: (±)-Enterolactone

Cat. No.: GC41669

Chemical Properties

Cas. No. 78473-71-9

SMILES OC1=CC(C[C@@H]([C@H](CC2=CC=CC(O)=C2)CO3)C3=O)=CC=C1

Formula C₁₈H₁₈O₄

M.Wt 298.3

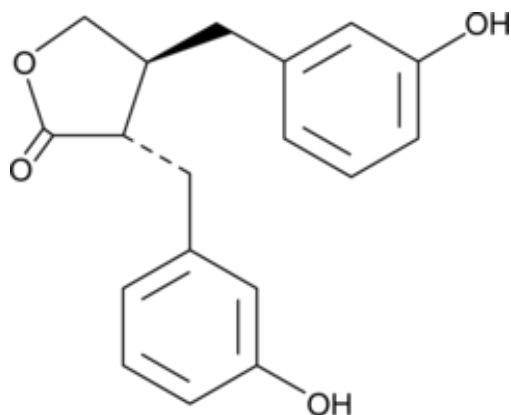
Solubility DMF: 30mg/mL, DMSO:
30mg/mL, Ethanol:
miscible, Ethanol:PBS (pH 7.2) (1:5):
100 µg/ml

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

Diets high in fiber contain plant lignan species that may be directly responsible for some observed health benefits of these diets. Enterolactone is an enterobacterial breakdown product of plant lignans that is absorbed and can be measured in human serum. Enterolactone and other lignans and phytoestrogens have been associated with a reduced risk of acute coronary events, hormone-dependent cancers, and possibly osteoporosis. Recent observations have shown an inverse association between serum enterolactone levels and serum isoprostane levels. This association

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

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implies a protective effect against oxidative injury associated with the dietary lignans themselves, enterolactone, or some intermediate in this pathway.

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