

Product Name : (±)-Equol

Synonyms : —

Cat No. : M19273

CAS Number : 94105-90-5

Molecular Formula : C15H14O3

Formula Weight : 242.3

Chemical Name : ----

Equol is a non-steroidal estrogen produced from the metabolism of the isoflavonoid phytoestrogen daidzen by human intestinal microflora. The estrogen receptor (ER) agonist activity of the naturally occurring (S)-enantiomer (EC50= 85 and 65 nM for human ERα and ERβ, respectively) is similar to that of genistein but exceeds that of daidzein. (S)-Equol preferentially

Description

in the Figure 1 in the Figure 2 in the Circle of General Indian End and End, respectively is similar to that of general indian but exceeds that of datazent (S)-Equal prefer it larger 5 binds ERβ (Ki= 0.73 nM) and demonstrates approximately 9-fold lower affinity for ERα (Ki= 6.41 nM).(S)-equal is also a potent antagonist of dihydrotestosterone, which has important implications for prostate cancer and other androgen-mediated

pathologies.

Pathway : Others

Target : Other Targets

Receptor : $ER\alpha$; $ER\beta$

Solubility : DMSO : ≥ 100 mg/mL; 412.76 mM

SMILES : C1C(COc2c1ccc(c2)O)c1ccc(cc1)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mahalingam S, Gao L, Gonnering M, Helferich W, et al. Toxicol Appl Pharmacol. 2016 Mar 15;295:47-55.