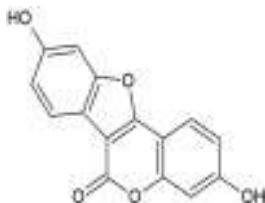


Coumestrol

ALTERNATE NAME: 3,9-dihydroxy-6H-benzofuro[3,2-c][1]benzopyran-6-one
NSC-22842

CATALOG #: B3273-5 5 mg
B3273-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₈O₅

MOLECULAR WEIGHT: 268.22

CAS NUMBER: 479-13-0

APPEARANCE: White to off-white solid

PURITY: ≥98%

SOLUBILITY: ~25 mg/ml DMSO

DESCRIPTION: Coumestrol is naturally occurring phytoestrogen. It competitively binds the estrogen receptors ER α (IC₅₀ = 11 nM) and ER β (IC₅₀ = 2 nM) and can induce ER-dependent gene expression in isolated cells. Coumestrol also acts as a weak antagonist of pregnane X receptor (IC₅₀ = 12 μ M) as well as a potential inverse agonist of the constitutive androstane receptor (EC₅₀ = 30 μ M).

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

AC-186 (B2980)
Estrogen Receptor (ER α) (Human) ELISA Kit (K4267)
Lasofoxifene tartrate (9680)
Toremifene citrate (B1049)
Estrogen Receptor beta (ER β) (Human) ELISA Kit (K4268)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*