

Diethylstilbestrol

Catalog No: tcsc2338



Available Sizes

Size: 200mg

Size: 1g

Size: 5g



Specifications

CAS No:

56-53-1

Formula:

$C_{18}H_{20}O_2$

Pathway:

Others

Target:

Estrogen Receptor/ERR

Purity / Grade:

>98%

Solubility:

DMSO : 50 mg/mL (186.32 mM; Need ultrasonic)

Alternative Names:

DES; Stilbestrol

Observed Molecular Weight:

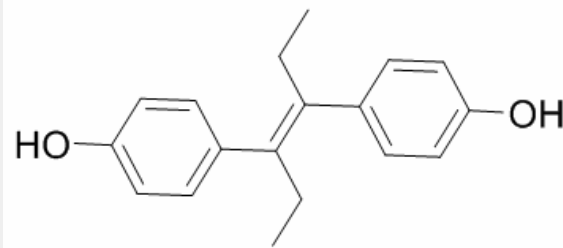
268.35

Product Description

Diethylstilbestrol, a synthetic nonsteroidal estrogen used in the treatment of menopausal and postmenopausal disorders.

Target: Estrogen Receptor/ERR

Diethylstilbestrol (DES), a synthetic estrogen that was used in pregnancy, is a prototype endocrine-disrupting chemical. Although prenatal exposure to DES is known to increase risks of vaginal/cervical adenocarcinoma and adverse reproductive outcomes in women, and urogenital anomalies in men, data on nonreproductive medical conditions are lacking. Comparing persons exposed prenatally to DES with those who were not exposed, the hazard ratios were 1.21 (95% confidence interval = 0.96-1.54) for diabetes, 1.27 (1.00-1.62) for all cardiovascular disease, 1.18 (0.88-1.59) for coronary artery disease, 1.28 (0.88-1.86) for myocardial infarction, 1.12 (1.02-1.22) for high cholesterol, 1.14 (1.02-1.28) for hypertension, 1.24 (0.99-1.54) for osteoporosis, and 1.30 (0.95-1.79) for fractures. The associations did not differ by dose and timing of DES exposure, nor, in the women, by the presence or absence of vaginal epithelial changes (a marker of DES host susceptibility) [1]. The role of prenatal exposure to DES as an environmental risk factor for psychiatric disorders requires more evidence before any conclusions can be drawn [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!