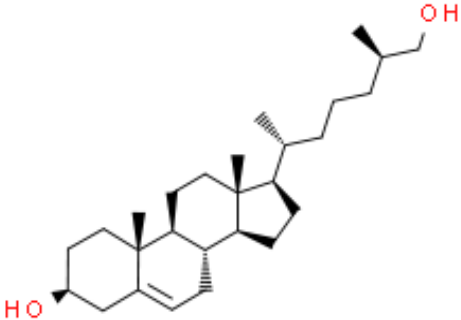


Product Data Sheet

Cas No.:	20380-11-4	Cat. No:	PC61706
Product Name:	27-Hydroxycholesterol		
Product synonym:	27-羟基胆固醇;[2H] -5,25 R-胆甾烯3.beta . ,26-二醇标准品;5,25R-胆甾烯-3BETA,26-二醇		
Chemical name:	27-Hydroxycholesterol		
MF:	C27H46O2	FW:	402.6529
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	<chem>O([H])[C@@]1([H])C([H])([H])C([H])([H])[C@@]2(C([H])([H])[H])C(C1([H])[H])=C([H])C([H])([H])[C@]1([H])[C@]2([H])C([H])([H])C([H])([H])[C@]2(C([H])([H])[H])C([H])([H])[C@]1([H])([C@]([H])C([H])([H])[H])C([H])([H])C([H])([H])C([H])([H])[C@]1([H])([H])C([H])([H])[H])C([H])([H])C([H])([H])[C@]21[H]</chem>		
InChI Code:	-		
InChI Key:			
<p>WARNING This product is not for human or veterinary use.</p>			

Product Description

27-Hydroxycholesterol是选择性的雌激素受体 (estrogen receptor) 调节剂和肝X受体 (liver X receptor) 激动剂。27-Hydroxycholesterol是选择性的雌激素受体 (estrogen receptor) 调节剂和肝X受体 (liver X receptor) 激动剂。

生物活性	27-Hydroxycholesterol is a selective estrogen receptor modulator and an agonist of the liver X receptor.
IC50 & Target[1][2]	Human Endogenous Metabolite

体外研究(In Vitro)

27-Hydroxycholesterol is an endogenous selective estrogen receptor modulator that displays significant partial agonist activity in a variety of cellular models of estrogen receptor action. It positively regulates both gene transcription and cell proliferation in cellular models of breast cancer. 27-Hydroxycholesterol, through estrogen receptor activation, triggers deleterious effect in prostate cancer cell lines. 27-Hydroxycholesterol significantly increases cell proliferation of LNCaP and PC3 cells and this effect can be attenuated by estrogen receptor inhibitors. 27-Hydroxycholesterol is an oxysterol produced from cholesterol by the monooxygenase CYP27A1, which regulates intracellular cholesterol homeostasis. 27-Hydroxycholesterol also acts as an endogenous selective estrogen receptor

modulator capable of increasing breast cancer growth and metastasis. 27-Hydroxycholesterol

包装储存

Powder; -20°C; 3 years; 4°C; 2 years;

溶解度数据

体外研究:

Ethanol : 16.67 mg/mL(41.40 mM;Need ultrasonic)

DMSO : 1 mg/mL(2.48 mM;Need ultrasonic)

配制储存液
