

5 α -Pregnane-3 β ,6 α -diol-20-one

Catalog No: tcsc0031562



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

21853-11-2

Formula:

$C_{21}H_{34}O_3$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

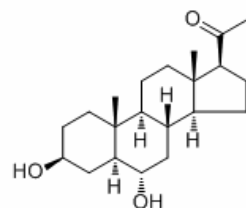
334.49

Product Description

5 α -Pregnane-3 β ,6 α -diol-20-one is a mitogenic metabolite of progesterone, and it can be produced in starved androgen-responsive prostate cancer cells.

In Vitro: Progesterone is converted to 5 α -pregnane-3 β ,6 α -diol-20-one in human fibroblasts^[1]. Pregnenolone and progesterone are avidly metabolized to 5 α -pregnan-3 β ,6 α -diol-20-one in the C4.2 cell line, with nearly complete conversions at 24 h and 18 h, respectively. Preferential 5 α -pregnan-3 β ,6 α -diol-20-one formation from early steroid precursors is independent of CYP17A1 but

rather relies on 3 β -HSD activity^[2].



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