

Canrenone

Catalog No: tcsc0013142



Available Sizes

Size: 50mg



Specifications

CAS No:

976-71-6

Formula:

$C_{22}H_{28}O_3$

Pathway:

Metabolic Enzyme/Protease

Target:

Mineralocorticoid Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Aldadiene;SC9376;SC14266

Observed Molecular Weight:

340.46

Product Description

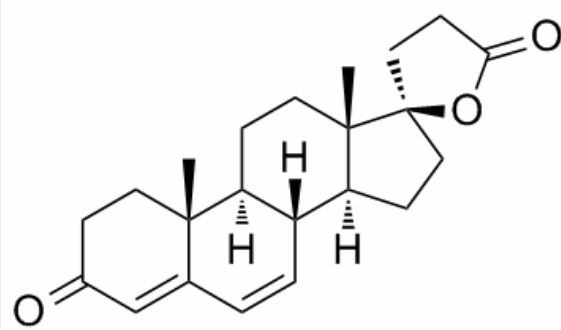
Canrenone (Aldadiene; SC9376; SC14266) is an **aldosterone** antagonist extensively used as a diuretic agent.

IC50 & Target: Target: Aldosterone^[1]

In Vitro: Canrenone inhibits the production of eortieosterone, 18-hydroxydesoxyeortieosterone, 18-hydroxycorticosterone and

aldosterone in a dose-dependent manner^[1]. Canrenone dose-dependently reduces platelet-derived growth factor-induced cell proliferation and motility. Canrenone inhibits the activity of the Na⁺/H⁺ exchanger 1 induced by platelet-derived growth factor^[2].

In Vivo: Canrenone is the principal active metabolite of Spironolactone in the rat only for a limited period. During chronic treatment a difference developed between the effect of Spironolactone and Canrenone on the RAAS indicating a decrease in the anti-mineralocorticoid activity of Canrenone and an increase in the efficacy of Spironolactone^[3].



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