

# Canrenone

Catalog No: **tcsc0013142**



## Available Sizes

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**Size:** 50mg

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## Specifications

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**CAS No:**

976-71-6

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**Formula:**

$C_{22}H_{28}O_3$

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**Pathway:**

Metabolic Enzyme/Protease

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**Target:**

Mineralocorticoid Receptor

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**Purity / Grade:**

>98%

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**Solubility:**

10 mM in DMSO

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**Alternative Names:**

Aldadiene;SC9376;SC14266

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**Observed Molecular Weight:**

340.46

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## Product Description

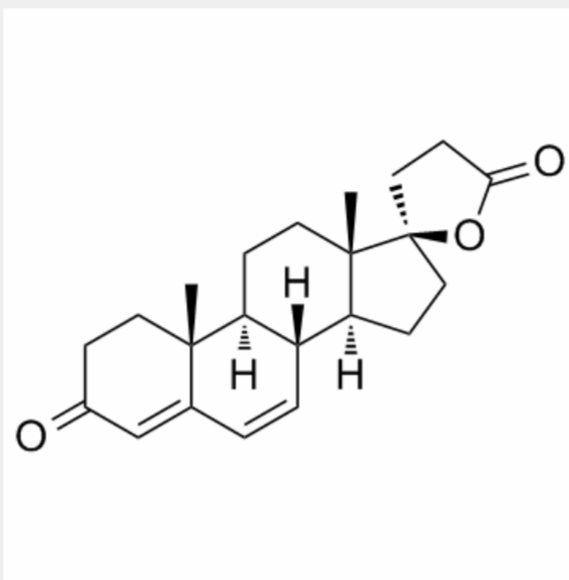
Canrenone (Aldadiene; SC9376; SC14266) is an **aldosterone** antagonist extensively used as a diuretic agent.

IC50 & Target: Target: Aldosterone<sup>[1]</sup>

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

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

**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<sup>[3]</sup>.



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