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## DATASHEET

Spironolactone

### Product overview

<b>Name</b>	Spironolactone
<b>Cat No</b>	HB2799
<b>Alternative names</b>	SC 9420, Aldactone
<b>Biological action</b>	Antagonist
<b>Purity</b>	>98%
<b>Description</b>	Mineralocorticoid and androgen receptor antagonist

### Biological Data

<b>Biological description</b>	Mineralocorticoid receptor (MR) antagonist. Also shows activity at the androgen receptor (AR) (IC <sub>50</sub> values are 24 and 77 nM at MR and AR respectively). Shows antihypertensive effects.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	(7 $\alpha$ ,17 $\alpha$ )-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid $\gamma$ -lactone
<b>Molecular Weight</b>	416.57
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>32</sub> O <sub>4</sub> S
<b>CAS Number</b>	52-01-7
<b>PubChem identifier</b>	5833
<b>SMILES</b>	<chem>O=C1CC[C@@]2(C)C(C[C@@H](SC(C)=O)[C@]3([H])[C@@]([H])2CC[C@@]4(C)[C@]([H])3CC[C@@]54OC(CC5)=O)=C1</chem>
<b>InChiKey</b>	LXMSZDCAJNLERA-ZHYRCANASA-N