

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Spironolactone

Product overview

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

Biological Data

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

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

Chemical Data

Chemical name	(7 α ,17 α)-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid γ -lactone
Molecular Weight	416.57
Chemical structure	
Molecular Formula	C ₂₄ H ₃₂ O ₄ S
CAS Number	52-01-7
PubChem identifier	5833
SMILES	<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>
InChiKey	LXMSZDCAJNLERA-ZHYRCANASA-N