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

Alternative names SC 9420, Aldactone

Biological action Antagonist **Purity** >98%

Description Mineralocorticoid and androgen receptor antagonist

Biological Data

Biological description Mineralocorticoid receptor (MR) antagonist. Also shows acticity at the androgen receptor (AR) (IC₅₀

values are 24 and 77 nM at MR and AR resepectively). Shows antihypertensive effects.

Solubility & Handling

Storage instructions Room temperature

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 (7α,17α)-7-(Acetylthio)-17-hydroxy-3- oxopregn-4-ene-21-carboxylic acid γ-lactone

416.57 Molecular Weight

Chemical structure

Molecular Formula $C_{24}H_{32}O_4S$ **CAS Number** 52-01-7 PubChem identifier 5833

SMILES 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@[C@]4(C)[C@]([H])3CC[C@[C@]4(C)[C]4(C)[C@]4(C)[C@]4(C)[C]4(C)[C]4(C)[C]4(C)[C@]4(C)[C]4(C)[C@]4(C)[C]4(C)[C@]4(C)[C]4(C)[C]4(C)[C]4(C)[C]4(C)[C]4(C)[C]4(C)[C]4(C)[C]4(C)[C@]4(C)[C)[C]4(C)[C]4(C)[C)[C]4(C)[C)[C]4(C)[C)[C]4(C)[C)[C]4(C)[C)[C]4(C)[C)[

@@154OC(CC5)=O)=C1

LXMSZDCAJNLERA-ZHYRCANASA-N **InChiKey**