PRODUCT INFORMATION

Doramectin
Item No. 19467

CAS Registry No.: 117704-25-3
Formal Name: 25-cyclohexyl-5-O-demethyl-25-de(1-methylpropyl)-avermectin A\textsubscript{1a}
Synonyms: 25-Cyclohexylavermectin B\textsubscript{1}, UK 67994
MF: C\textsubscript{50}H\textsubscript{74}O\textsubscript{14}
FW: 899.1
Purity: ≥98%
UV/Vis.: λ\textsubscript{max}: 245 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

Doramectin is supplied as a crystalline solid. A stock solution may be made by dissolving the doramectin in the solvent of choice. Doramectin is soluble in chloroform and methanol and is miscible in water. We do not recommend storing the aqueous solution for more than one day.

Description

Doramectin is a macrocyclic lactone derivative of ivermectin, an anthelmintic that potentiates glutamate- and GABA-gated chloride channel opening in nematodes.\textsuperscript{1,2} At 0.001 μg/ml, doramectin is fully effective at inhibiting growth in an \textit{H. contortus} larval development assay.\textsuperscript{2}

References


WARNING
This product is for research only - not for human or veterinary diagnostic or therapeutic use.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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