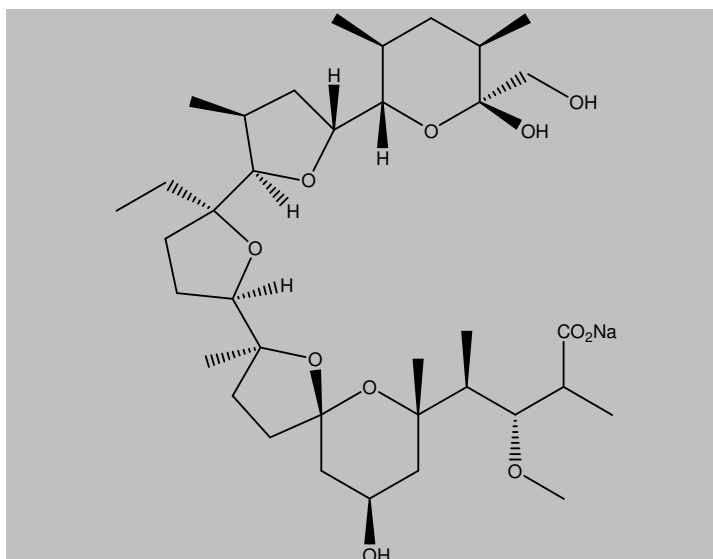


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 07/04/2015
COA Revision Date: 07/04/2018

Product: Monensin sodium
Cat. No.: BN0847
Batch No.: 0847BN/01
Chemical Name: 4-[2-[5-Ethyl-5-[5-[6-hydroxy-6-(hydroxymethyl)-3,5-dimethyloxan-2-yl]-3-methyloxolan-2-yl]oxolan-2-yl]-9-hydroxy-2,8-dimethyl-1,6-dioxaspiro[4.5]dec-7-yl]-3-methoxy-2-methylpentanoic acid sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₆H₆₁O₁₁Na
Batch Molecular Weight: 692.85
CAS No.: [22373-78-0]
Physical Appearance: White to off-white solid
Melting Point:
Solubility: Soluble to 100 mM in ethanol or in DMSO
Storage: Desiccate at +4° C
Batch Molecular Structure:



Product Description: A Na⁺ ionophore, that forms lipophilic complexes with monovalent cations to induce Na⁺ influx and H⁺/K⁺ efflux. It increases intracellular Ca²⁺ levels. Also a potent inducer of oxidative stress and inhibitor of androgen signaling leading to apoptosis in prostate cancer cells.

References: 1. Mollenhauer et al. (1990) Biochim Biophys Acta 1031:225; 2. Singh et al. (2007) Pharmacol Rep 59:456; 3. Ketola et al. (2010) Mol Cancer Ther 9:3175

- CAUTION - Not fully tested. For Research use only. Not for human use. -



BIOTREND Chemicals AG
Unterdorfstr. 21
CH-8602 Wangen / Zurich
Switzerland
Tel + 41 44 805 76 76
Fax +41 44 805 76 77
Email: techserv@biotrend.ch
www.biotrend.ch

Certificate Of Analysis
Quality Control Testing and Research Application

COA Preparation Date: 07/04/2015
COA Revision Date: 07/04/2018

BN0847 Monensin sodium

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 98% (complies).

- CAUTION - Not fully tested. For Research use only. Not for human use. –