Monensin sodium salt

Catalogue Number: 2237803

Product Information

**Synonyms:** Coban, Monensin, Monensin Monosodium Salt, Monensin-A-Sodium Complex, Rumensin

**Chemical Name:** sodium:(2S,3R,4S)-4-[(2S,5R,7S,8R,9S)-2-[(2R,5S)-5-ethyl-5-[(2R,3S,5R)-5-[(2S,3S,5R,6R)-6-hydroxy-6-(hydroxymethyl)-3,5-dimethyloxan-2-yl]-3-methyloxolan-2-yl]oxolan-2-yl]-7-hydroxy-2,8-dimethyl-1,10-dioxaspiro[4.5]decan-9-yl]-3-methoxy-2-methylpentanoate

**Molecular Formula:** C_{36}H_{61}O_{11} Na

**Molecular Weight:** 692.9

**CAS Number:** 22373-78-0

**Purity:** ≥98%

**Applications:** FA

**Formulation:** Crystalline solid

**Storage:** Product should be kept at -20°C.

Description

Monensin is a polyether ionophore antibiotic that blocks intracellular protein transport. Monensin exhibits antibiotic, antimalarial, and other biological activities. It is reported to inhibit the proliferation and induce apoptosis of several cancer cell lines.

Preparation & Storage

Soluble in organic solvents such as ethanol or DMF. Ethanol up to 15mg/ml.

References

