

Product Name	: Narasin (sodium salt)
Synonyms	: HainanMycin; naransin sodium; Naracin sodium salt
Cat No.	: M27432
CAS Number	: 58331-17-2
Molecular Formula	: C ₄₃ H ₇₁ NaO ₁₁
Formula Weight	: 787.0
Chemical Name	: —
Description	Narasin induces tumor necrosis factor-related apoptosis-induced ligand (TRAIL)-mediated apoptosis by ER stress in glioma cells and inhibits NF-κB signaling by suppressing the phosphorylation of IκBα. (In Vitro): Narasin caused suicidal erythrocyte death or eryptosis. In human erythrocytes, Narasin increased annexin-V-binding indicating cell membrane scrambling with phosphatidylserine translocation to the erythrocyte surface and the decrease of forward scatter reflecting cell shrinkage, which indicated the death of erythrocyte. (In Vivo): Administration of 4-48 p.p.m of narasin in the pelleted feed of New Zealand White rabbits. After 4 weeks, narasin protected rabbits from severe coccidiosis induced by <i>E. flavescens</i>, <i>E. perforans</i>, <i>E. Magna</i>, <i>E. Intestinalis</i>, and <i>E. Stiedai</i>. In addition, narasin reduced oocyst output effectively.
Pathway	: Apoptosis
Target	: NF-κB
Receptor	: —
Solubility	: —
SMILES	<chem>CC[C@@H](C([O-])=O)[C@H]1[C@@H](C)C[C@H](C)[C@H]([C@H]([C@H](O)[C@@H](C)[C@H]([C@@H]2[C@@H](C)C[C@@H](C)[C@@]3(C=C[C@@H](O)[C@]4(CC[C@@](C)([C@H]5CC[C@@](CC)(O)C(C)O5)O4)O3)O2)CC=O)C)O1.[Na+]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Da-Wa ZM, et al. Chemical Constituents from *Przewalskia tangutica*. *Zhong Yao Cai*. 2016 Sep;39(9):2013-5.