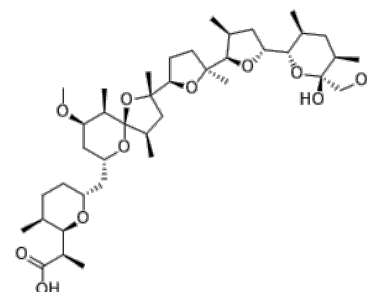


Product Name : Nigericin
Cat. No. : PC-22728
CAS No. : 28380-24-7
Molecular Formula : C₄₀H₆₈O₁₁
Molecular Weight : 724.97
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

Nigericin (NSC 292567) is an ionophore antibiotic derived from *S. hygroscopicus* that acts as a potassium ionophore promoting K⁺/H⁺ exchange across mitochondrial membranes.

Nigericin sodium is a research tool to disrupt intracellular H⁺ and K⁺ concentration, thus altering pH, membrane potential, and cell volume.

Nigericin sodium inhibits the Golgi functions in Eukaryotic cells.

Nigericin sodium is the canonical NLRP3 inflammasome agonist.

References

Gray MA, et al. *Eur J Biochem.* 1983 Sep 15;135(2):299-302.

Tartakoff AM, et al. *J Exp Med.* 1977 Nov 1;146(5):1332-45.

Zotova L, et al. *J Biol Chem.* 2010 May 7;285(19):14399-414.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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