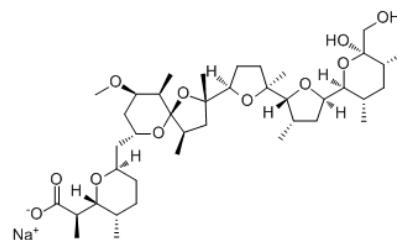


**Product Name** : Nigericin sodium salt  
**Cat. No.** : PC-42123  
**CAS No.** : 28643-80-3  
**Molecular Formula** : C<sub>40</sub>H<sub>67</sub>NaO<sub>11</sub>  
**Molecular Weight** : 746.9432  
**Target** : Potassium Channel  
**Solubility** :



## Biological Activity

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

A research tool to disrupt intracellular H<sup>+</sup> and K<sup>+</sup> concentration, thus altering pH, membrane potential, and cell volume; inhibits the Golgi functions in Eukaryotic cells.

## References

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Zotova L, et al. *J Biol Chem.* 2010 May 7;285(19):14399-414.  
Tartakoff AM, et al. *J Exp Med.* 1977 Nov 1;146(5):1332-45.  
Boesch M, et al. *Stem Cells Transl Med.* 2015 Sep;4(9):1028-32.

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

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