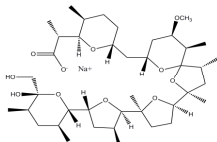


**PRODUCT: Nigericin sodium Salt****ALTERNATE NAME:** Antibiotic K178, Antibiotic X464, Azalomycin M, Helexin C, Polyetherin A; BRN 169675**CATALOG #:** 2096-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>40</sub>H<sub>67</sub>NaO<sub>11</sub>**MOLECULAR WEIGHT:** 746.94**CAS NUMBER:** 28643-80-3**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (~ 50 mg/ml) or Ethanol (~20 mg/ml)**PURITY:** ≥98% by TLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Nigericin is a polyether ionophore which disrupts membrane potential and stimulates ATPase activity in mitochondria. Ion selectivity is K<sup>+</sup> > Rb<sup>+</sup> ≥ Cs<sup>+</sup> >> Na<sup>+</sup>. Also activates NLRP3/NALP3 and signals through pannexin-1 to induce caspase-1 maturation and IL-1β processing and release.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**A23187 (**Cat. No. 1501-10**)Ionomycin, Calcium salt (**Cat. No. 1566-5**)Ionomycin, Free acid (**Cat. No. 1565-5**)Monensin methyl ester (**Cat. No. 1808-50, 250**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**