

Nigericin Na, Induces rapid intracellular acidification

Catalog	Unit
TBI2089-5MG	5 mg
TBI2089-25MG	25 mg

Product Details

Alternate Names: Antibiotic K178; Antibiotic X-464; Azalomycin M; PolyetherinA

Molecular Formula: C₄₀H₅₇O₁₁Na

Formula Weight: 746.96

CAS Number: 28643-80-3

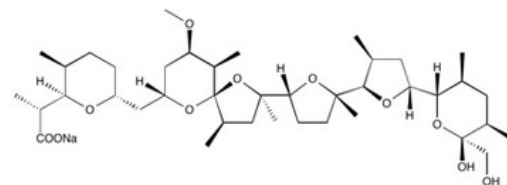
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Induces rapid intracellular acidification

Functions

Polyether ionophore which disrupts membrane potential and stimulates ATPase activity in mitochondria. Induces apoptosis resulting from intracellular acidification. Ion selectivity is K⁺ > Rb⁺ > Cs⁺ >> Na⁺. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

For research use only.