

Nonactin, Monovalent cation ionophore (K⁺ and NH₄⁺)

Catalog	Unit
TBI2090-5MG	5 mg
TBI2090-25MG	25 mg

Product Details

Formal Name: Isolated from *Streptomyces griseus*

Alternate Names: Polynactin; Werramycin A

Molecular Formula: C₄₀H₆₄O₁₂

Formula Weight: 736.95

CAS Number: 6833-84-7

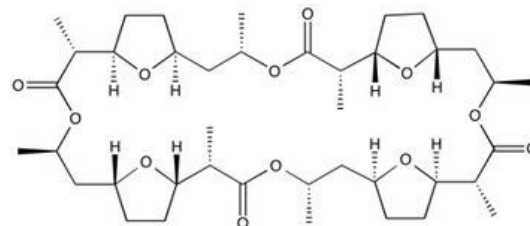
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Monovalent cation ionophore (K⁺ and NH₄⁺)

Functions

Monovalent cation ionophore with high selectivity for NH₄⁺ and K⁺. Upregulates levels of mitochondrial stress proteins HSP58 and GRP75. Abolishes mitochondrial membrane potential.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 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.