

Leptomycin B (Extranuclear Transport Inhibitor)

Item number: L7940

Concentration: Formulated with anhydrous ethanol, the concentration is 0.2mg/mL

Molecular weight: 540.73

Molecular formula: C₃₃H₄₈O

CAS Number: 87081-35-4

Purity: ≥98%

Storage condition: -20°C, away from light storage, valid for 6 months.

Product Introduction:

Leptomycin B, abbreviated LMB, is a commonly used nuclear export inhibitor and an important research tool for nuclear export transport. Leptomycin B binds directly to CRM1, thereby inhibiting the binding of CRM1 to proteins with a nuclear export signal, resulting in the inhibition of CRM1-mediated nuclear export transport. Leptomycin B is an unsaturated branchchain fatty acid that permeates cells and inhibits nucleo-cytoplasmic protein transport.

Directions for use:

1. Leptomycin B is commonly used in a concentration range of 1-100nM. Please refer to the relevant literature for the specific optimal working concentration, or explore and optimize through experiments according to the experimental purpose and the specific cells and tissues cultured.

Points to note:

1. This product is toxic to human body, please be careful when handling, and pay attention to effective protection to avoid direct contact with human body or inhalation.
2. Leptomycin B's solvent is volatile, so be sure to keep it sealed; And use it in an ice bath to reduce volatilization.
3. This product is only for the scientific research of professionals, shall not be used for clinical diagnosis or treatment, shall not be used for food or medicine, and shall not be stored in ordinary homes.
4. For your safety and health, please wear a lab coat and disposable gloves.