### 1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{63}H_{111}N_{11}O_{12}
- **Batch Molecular Weight:** 1214.62
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 4 mM
- **Storage:** Store at -20°C

### 2. ANALYTICAL DATA

- **HPLC:** Shows 98.9% purity
- **Mass Spectrum:** Consistent with structure
Description:
P-glycoprotein (P-gp) modulator; inhibits P-gp-mediated multidrug-resistance (MDR). Reverses resistance to several cytotoxic drugs including mitoxantrone and doxorubicin (resistance factors are 2.0 and 6.5 respectively) in human MDR cancer cell lines. Non-immunosuppressive analog of cyclosporin A (Cat. No. 1101).

Physical and Chemical Properties:
Batch Molecular Formula: C_{38}H_{11}N_{12}O_{12}
Batch Molecular Weight: 1214.62
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 4 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: