1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{26}\text{H}_{26}\text{N}_{4}\text{O}_{3} \)
Batch Molecular Weight: 442.51
Physical Appearance: Bright red solid
Solubility: DMSO to 50 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 100.0% purity
\(^1\text{H} \text{NMR:} \) Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen
Theoretical: 70.57 5.92 12.66
Found: 70.63 6.01 12.66
Product Name: Go 6983
Catalog No.: 2285
Batch No.: 6

CAS Number: 133053-19-7
IUPAC Name: 3-[1-[3-(Dimethylamino)propyl]-5-methoxy-1H-indol-3-yl]-4-(1H-indol-3-yl)-1H-pyrrole-2,5-dione

Description:
Broad spectrum protein kinase C (PKC) inhibitor (IC50 values are 7, 7, 6, 10, 60 and 20000 nM for PKCα, PKCβ, PKCγ, PKCδ, PKCζ and PKCμ respectively). Displays cardioprotective properties; reduces polymorphonuclear leukocyte adherence and infiltration following myocardial ischemia/reperfusion injury. Optimizes naive human pluripotent stem cell growth and viability following naive cell derivation from primed ESCs and iPSCs using naive human stem cell medium (NHSM).

Physical and Chemical Properties:
Batch Molecular Formula: C26H20N4O3
Batch Molecular Weight: 442.51
Physical Appearance: Bright red solid
Minimum Purity: ≥98%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 50 mM
When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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: