1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{27}H_{26}FN_3OS \)
Batch Molecular Weight: 459.58
Physical Appearance: Pale brown solid
Solubility:
- ethanol to 20 mM
- DMSO to 50 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.52 \) (Dichloromethane:Methanol:Triethylamine [9:1:0.1])
HPLC: Shows >98.4% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Product Name: R 59-022
Catalog No.: 2194
Batch No.: 1

CAS Number: 93076-89-2
IUPAC Name: 6-[2-[4-[(4-Fluorophenyl)phenylmethylene]-1-piperidinyl]ethyl]-7-methyl-5H-thiazolo[3,2-a]pyrimidin-5-one

Description:
Diacylglycerol (DAG) kinase inhibitor (IC$_{50} = 2.8$ μM); increases protein kinase C activity. Potentiates thrombin-induced platelet aggregation and induces neutrophil chemotaxis. Inhibits U46619-induced contractions in mouse aorta and porcine coronary artery.

Physical and Chemical Properties:
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Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
ethanol to 20 mM
DMSO to 50 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: