1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{21}\text{H}_{21}\text{ClFNO}_2 \)
Batch Molecular Weight: 373.85
Physical Appearance: White solid
Solubility: 2eq. NaOH to 10 mM ethanol to 50 mM DMSO to 50 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.5 \) (Dichloromethane:Ethyl acetate [6:4])
Melting Point: Between 124 - 126°C
HPLC: Shows >99.7% purity
\(^1\text{H} \text{NMR:} \) Consistent with structure
\(^{13}\text{C} \text{NMR:} \) Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen
Theoretical 67.47 5.66 3.74
Found 67.26 5.8 3.72
Product Name: L-655,240
Catalog No.: 1698
Batch No.: 1

CAS Number: 103253-15-2
IUPAC Name: 1-[(4-Chlorophenyl)methyl]-5-fluoro-\(\alpha,\alpha,3\)-trimethyl-1H-indole-2-propanoic acid

Description:
Potent and selective thromboxane A\(_2\)/prostaglandin endoperoxide receptor antagonist. \(pA_2\) values are 8 - 8.4 in guinea pig smooth muscle; \(IC_{50}\) = 7 nM for inhibition of human platelet aggregation. Orally active in vivo.

Physical and Chemical Properties:
- Batch Molecular Formula: \(C_{23}H_{21}ClFNO\)
- Batch Molecular Weight: 373.85
- Physical Appearance: White solid
- Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
- 2eq. NaOH to 10 mM ethanol to 50 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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

References: