1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{20}\text{H}_{36}\text{O}_2 \)

Batch Molecular Weight: 308.5

Physical Appearance: Colourless oil

Solubility:
- DMSO to 100 mM
- Ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.35 \) (Ethyl acetate:Petroleum ether [1:4])

HPLC: Shows 100% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure
**Product Name:** FR 236924  
**Catalog No.:** 3091  
**Batch No.:** 1

**CAS Number:** 28399-31-7  
**IUPAC Name:** 2-[(2-Pentylcyclopropyl)methyl]cyclopropaneoctanoic acid

**Description:**
Selective PKCε activator that displays > 7-fold selectivity over other PKC isozymes. Stimulates glutamate release via presynaptic α7 nicotinic receptors on glutamatergic terminals in vitro and enhances cognition in vivo. Brain penetrant.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C$_{20}$H$_{30}$O$_2$
- **Batch Molecular Weight:** 308.5
- **Physical Appearance:** Colourless oil
- **Minimum Purity:** >99%

**Storage:** Store at -20°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**
- DMSO to 100 mM
- ethanol to 100 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:**