1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $\text{C}_{22}\text{H}_{21}\text{NO}_3$
- **Batch Molecular Weight:** 347.41
- **Physical Appearance:** White solid
- **Solubility:**
  - ethanol to 25 mM
  - DMSO to 50 mM
- **Storage:** Store at RT
- **Batch Molecular Structure:**

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.6$ (Dichloromethane: Methanol [96:4])
- **Melting Point:** At 154°C
- **HPLC:** Shows 99.2% purity
- **$^1\text{H NMR:}$** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
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<th>Element</th>
<th>Theoretical</th>
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<tbody>
<tr>
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<tr>
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Product Name: FPL 64176
Catalog No.: 1403
Batch No.: 2

CAS Number: 120934-96-5
IUPAC Name: 2,5-Dimethyl-4-[2-(phenylmethyl)benzoyl]-1H-pyrrole-3-carboxylic acid methyl ester

Description:
Potent activator of L-type Ca\(^{2+}\) channels (EC\(_{50}\) = 16 nM). 40-fold more potent than Bay K 8644 (Cat. No. 1544) as a positive inotrope in guinea pig atria.

Physical and Chemical Properties:
Batch Molecular Formula: C\(_{22}\)H\(_{22}\)NO\(_3\)
Batch Molecular Weight: 347.41
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
- Ethanol to 25 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: