1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{29}\text{H}_{34}\text{ClN}_{3}\text{O} \cdot \frac{1}{4}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 480.55

Physical Appearance: White lyophilised solid

Solubility: DMSO to 100 mM, ethanol to 100 mM

Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.5 \) (Ethyl acetate:Petroleum ether [9:1])

HPLC: Shows 99.3% purity

Chiral HPLC: Shows 100% purity

\(^1\text{H} \text{ NMR:} \) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

\[
\begin{array}{ccc}
\text{Carbon} & \text{Hydrogen} & \text{Nitrogen} \\
\text{Theoretical} & 72.48 & 7.24 & 8.74 \\
\text{Found} & 72.69 & 7.27 & 8.72 \\
\end{array}
\]
Product Name: SR 144528

CAS Number: 192703-06-3

IUPAC Name: 5-(4-Chloro-3-methylphenyl)-1-[(4-methylphenyl)methyl]N-(1S,2S,4R)-1,3,3-trimethylbicyclo[2.2.1]hept-2-yl]-1H-pyrazole-3-carboxamide

Description:
High affinity and selective CB2 inverse agonist (Kᵢ = 0.6 nM). Exhibits >700-fold selectivity for CB₂ over CB₁ receptors. Blocks the effects of CP 55,940 (Cat. No. 0949) on forskolin-sensitive adenyl cyclase activity and MAPK in CHO cells expressing CB₂ receptors. Also blocks CP 55,940-induced B-cell activation. Orally bioavailable.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₀H₂₃ClN₂O₂.½H₂O
Batch Molecular Weight: 480.55
Physical Appearance: White lyophilised solid
Minimum Purity: >98%

Storage: Store at -20°C

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.

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:
