Product Name: Cannabinol
CAS Number: 521-35-7
IUPAC Name: 6,6,9-Trimethyl-3-pentyl-6H-benzo[c]chromen-1-ol

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C_{21}H_{26}O_{2}
   Batch Molecular Weight: 310.43
   Physical Appearance: White solid
   Solubility: DMSO to 50 mM, ethanol to 10 mM
   Storage: Store at -20°C

2. ANALYTICAL DATA

   HPLC: Shows 99.1% purity
Product Name: Cannabinol
Catalog No.: 3130
Batch No.: 2

Description:
CB₂ and CB₁ receptor agonist (Kᵢ values are 126 and 211 nM respectively). Inhibits adenylyl cyclase (EC₅₀ values are 120 and 261 nM for CB₁ and CB₂ receptors respectively) and suppresses immune cell function. Major constituent of cannabis; displays little or no psychotropic activity.

Physical and Chemical Properties:
- Batch Molecular Formula: C₂₁H₂₆O₂
- Batch Molecular Weight: 310.43
- Physical Appearance: White solid

Storage: Store at -20°C

Solubility & Usage Info:
- DMSO to 50 mM
- ethanol to 10 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.

INFORMATION FOR CUSTOMERS IN THE USA ONLY
This product is a Schedule I DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

INFORMATION FOR CUSTOMERS IN CANADA ONLY
This product is a Schedule II CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References: