Product Name: O-1918 Catalog No.: 2288 Batch No.: 1
CAS Number: 536697-79-7
IUPAC Name: 1,3-Dimethoxy-5-methyl-2-[(1R,6R)-3-methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]benzene

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{19}\text{H}_{26}\text{O}_{2} \)
Batch Molecular Weight: 286.41
Physical Appearance: Cream solid
Solubility: DMSO to 100 mM ethanol to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.6 \) (Ethyl acetate:Petroleum ether [0.5:9.5])
HPLC: Shows 97.5% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \([\alpha]_D = -147\) (Concentration = 1, Solvent = Ethanol)
Microanalysis: Carbon Hydrogen Nitrogen

Theoretical 79.68 9.15
Found 79.29 9.15
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Description:
Selective, silent antagonist of a putative endothelial anandamide receptor distinct from CB₁ or CB₂ receptors. Inhibits vasodilation and cell migration induced by abnormal-cannabinol (abn-CBD; Cat. No. 1297).

Physical and Chemical Properties:
Batch Molecular Formula: C₁₉H₂₀O₂
Batch Molecular Weight: 286.41
Physical Appearance: Cream solid
Minimum Purity: >97%

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.

References: