Product Name: WIN 55,212-2 mesylate
Catalog No.: 1038
Batch No.: 34

CAS Number: 131543-23-2
IUPAC Name: \((R)-(\pm)-[2,3\text{-Dihydro}-5\text{-methyl}-3\text{-}(4\text{-morpholinylmethyl})\text{pyrrolo}[1,2,3\text{-de}]1,4\text{-benzoxazin-6-yl}]\text{-1-}
\text{naphthalenylmethanone mesylate}

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(C_{27}H_{26}N_2O_3\cdot CH_3SO_3H\)
Batch Molecular Weight: 522.61
Physical Appearance: Off White solid
Solubility: ethanol to 30 mM with gentle warming
DMSO to 100 mM with gentle warming
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: 
\[ R_f = 0.21 \text{ (Ethyl acetate:Petroleum ether [1:1])} \]
HPLC:
Shows 99.5% purity
Chiral HPLC:
Shows 100% purity
\(^1\)H NMR:
Consistent with structure
Mass Spectrum:
Consistent with structure
Optical Rotation:
\([\alpha]_D = +43.7 \text{ (Concentration = 1, Solvent = DMF)}\)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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**IUPAC Name:** (R)-(++)-[2,3-Dihydro-5-methyl-3-(4-morpholinylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-naphthalenylmethanone mesylate

**Description:**
WIN 55,212-2 mesylate is a selective high affinity CB₂ agonist (Kᵢ values are 3.3 and 62.3 nM at the human cloned CB₂ and CB₁ receptors respectively).

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂₁H₂₆N₂O₅.CH₃SO₃H
- **Batch Molecular Weight:** 522.61
- **Physical Appearance:** Off White solid
- **Minimum Purity:** ≥98%

**Storage:** Store at +4°C

**Solubility & Usage Info:**
- ethanol to 30 mM with gentle warming
- DMSO to 100 mM with gentle warming

**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 aliquotted 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:**