Product Name: WIN 55,212-2 mesylate
Catalog No.: 1038
Batch No.: 34
CAS Number: 131543-23-2
IUPAC Name: 
\((R)-(+)-[2,3\text{-dihydro-5-methyl-3-(4-morpholinylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl}-1-naphthalenylmethanone mesylate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: 
\(\text{C}_{27}\text{H}_{26}\text{N}_{2}\text{O}_{3}.\text{CH}_{3}\text{SO}_{3}\text{H}\)

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: 
\(R_f = 0.21\) (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: 
\([\alpha]_D = +43.7\) (Concentration = 1, Solvent = DMF)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Description:
WIN 55,212-2 mesylate is a selective high affinity CB\(_2\) agonist (K\(_i\) values are 3.3 and 62.3 nM at the human cloned CB\(_2\) and CB\(_1\) receptors respectively).

Physical and Chemical Properties:
Batch Molecular Formula: C\text{27}H\text{26}N\text{2}O\text{8}CH\text{3}SO\text{2}H
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 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: