Product Information

(-)-WIN 55,212-3 (mesylate)

Item No. 12022

CAS Registry No.: 131543-25-4
Formal Name: [(3S)-2,3-dihydro-5-methyl-3-(4-morpholinyl)methyl][pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-naphthalenyl-methanone, methanesulfonate

MF: C27H26N2O3 • CH3SO3H
FW: 522.6
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: \( \lambda_{\text{max}} \) 219, 246, 350 nm

Laboratory Procedures

For long term storage, we suggest that (-)-WIN 55,212-3 (mesylate) be stored as supplied at -20°C. It should be stable for at least two years.

(-)-WIN 55,212-3 (mesylate) is supplied as a crystalline solid. A stock solution may be made by dissolving the (-)-WIN 55,212-3 (mesylate) in the solvent of choice. (-)-WIN 55,212-3 (mesylate) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of (-)-WIN 55,212-3 (mesylate) in ethanol is approximately 5 mg/ml and approximately 30 mg/ml in DMSO and DMF.

(-)-WIN 55,212-3 (mesylate) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, (-)-WIN 55,212-3 (mesylate) should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. (-)-WIN 55,212-3 (mesylate) has a solubility of approximately 0.25 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

(-)-WIN 55,212-3 is an aminoalkylindole derivative which acts as a competitive neutral antagonist of the human cannabinoid CB2 receptor, blocking both the stimulating action of CP 55,940 (pA2 = 6.1) and the inverse agonism of this method. We do not recommend storing the aqueous solution for more than one day.

References


Related Products

For a list of related products please visit: www.caymanchem.com/catalog/12022

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals herein. Cayman warrants only to the original customer that the material will meet our specifications in the time of delivery.

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Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

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