A-836339
Item No. 13898

CAS Registry No.: 959746-77-1
Formal Name: \([N(Z)]-N\{3-(2\text{-methoxyethyl})-4,5\text{-dimethyl-2(3H)}\text{-thiazolylidene}\}2,2,3,3\text{-tetramethyl-cyclopropanecarboxamide}\)

MF: \(C_{16}H_{26}N_{2}O_{2}S\)
FW: 310.5
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: \(\lambda_{\text{max}}: 205, 317 \text{ nm}\)

Laboratory Procedures

For long term storage, we suggest that A-836339 be stored as supplied at -20°C. It should be stable for at least two years.

A-836339 is supplied as a crystalline solid. A stock solution may be made by dissolving the A-836339 in the solvent of choice. A-836339 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of A-836339 in these solvents is approximately 30, 5, and 20 mg/ml, respectively.

A-836339 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, A-836339 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. A-836339 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

A-836339 is a synthetic cannabinoid (CB) which has a higher affinity for the peripheral CB\(_2\) receptor (\(K_i = 0.64 \text{ nM}\)) over the central CB\(_1\) receptor (\(K_i = 270 \text{ nM}\)).\(^1\) It displays analgesic, anti-inflammatory, and anti-hyperalgesic effects in mice.\(^1,2\) At higher doses, A-836339 also decreases spontaneous locomotor activities, consistent with CB\(_1\) activation.\(^1\) This product is intended for forensic and research applications.

References


Related Products

For a list of related products please visit: \texttt{www.caymanchem.com/catalog/13898}

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 Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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 at the time of delivery. Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees. 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.

Buyer’s exclusive remedy and 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. Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.