

Product Data Sheet

Product Name: A-796260

Cat. No.: GC42662

Chemical Properties

Cas. No. 895155-26-7

Chemical Name [1-[2-(4-morpholinyl)ethyl]-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)-methanone

SMILES CC(C1(C)C)(C)C1C(C2=CN(CCN3CCOCC3)C4=CC=CC=C42)=O

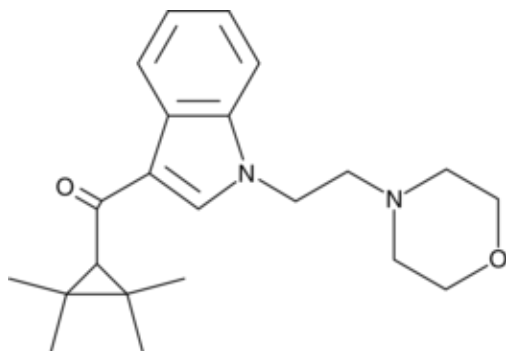
Formula C₂₂H₃₀N₂O₂ M.Wt 354.5

Solubility 5mg/mL in ethanol or in DMF, 3mg/mL in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

A-796260 is a synthetic cannabinoid (CB) that shows high selectivity for the CB2 receptor ($K_i = 0.77$ nM) over the CB1 receptor ($K_i = 2,100$ nM).[1] It also shows efficacy in vivo in models of inflammatory, post-operative, neuropathic, and osteoarthritic pain, activities which are selectively blocked by CB2 receptor-selective antagonists.[2] This product is intended for research and forensic uses.

Reference:

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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- [1]. Poso, A., and Huffman, J.W. Targeting the cannabinoid CB2 receptor: Modelling and structural determinants of CB2 selective ligands. *British Journal of Pharmacology* 153(2), 335-346 (2008).
- [2]. Yao, B.B., Hsieh, G.C., Frost, J.M., et al. In vitro and in vivo characterization of A-796260: A selective cannabinoid CB2 receptor agonist exhibiting analgesic activity in rodent pain models. *British Journal of Pharmacology* 153(2), 390-401 (2008).

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