

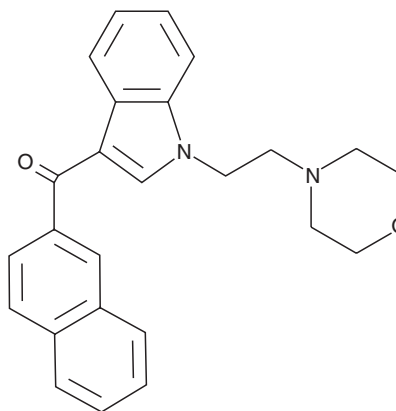
Product Information



JWH 200 2'-naphthyl isomer

Item No. 9000897

CAS Registry No.: 133438-66-1
Formal Name: [1-[2-(4-morpholinyl)ethyl]-1H-indol-3-yl]-2-naphthalenyl-methanone
MF: C₂₅H₂₄N₂O₂
FW: 384.5
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 215, 253, 326 nm



Laboratory Procedures

For long term storage, we suggest that JWH 200 2'-naphthyl isomer be stored as supplied at -20°C. It should be stable for at least two years.

JWH 200 2'-naphthyl isomer is supplied as a crystalline solid. A stock solution may be made by dissolving the JWH 200 2'-naphthyl isomer in the solvent of choice. JWH 200 2'-naphthyl isomer is soluble in organic solvents such as DMSO and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of JWH 200 2'-naphthyl isomer in DMSO is approximately 0.15 mg/ml and approximately 0.30 mg/ml in DMF.

If aqueous stock solutions are required for biological experiments, they can best be prepared by diluting the organic solvent into aqueous buffers or isotonic saline. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

JWH 200 is a 3-indolyl-1-naphthylmethane that acts as a cannabinoid (CB) receptor agonist, binding to the CB₁ receptor with high affinity (IC₅₀ = 42 nM).¹ This synthetic cannabinoid has been identified as an adulterant of herbal blends.² JWH 200 2'-naphthyl isomer differs structurally from JWH 200 by having the naphthyl group attached at the 2' position. The biological and toxicological properties of this compound have not been characterized. This product is intended for forensic purposes.

References

1. Huffman, J.W., Mabon, R., Wu, M.-J., *et al.* 3-indolyl-1-naphthylmethanes: New cannabimimetic indoles provide evidence for aromatic stacking interactions with the CB₁ cannabinoid receptor. *Bioorg. Med. Chem.* **11**, 539-549 (2003).
2. Kikura-Hanajiri, R., Uchiyama, N., and Goda, Y. Survey of current trends in the abuse of psychotropic substances and plants in Japan. *Leg. Med. (Tokyo)* **13(3)**, 109-15 (2011).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/9000897

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.

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 hereof. Cayman **warrants only** to the original customer that the material will meet our specifications at the time of delivery.

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