

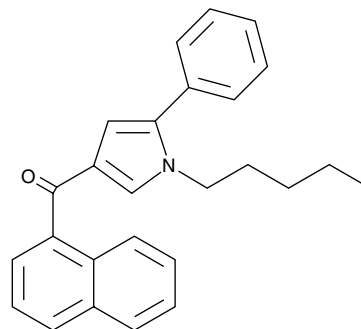
Product Information



JWH 145

Item No. 10825

CAS Registry No.: 914458-19-8
Formal Name: 1-naphthalenyl(1-pentyl-5-phenyl-1H-pyrrol-3-yl)-methanone
MF: C₂₆H₂₅NO
FW: 367.5
Purity: ≥95%
Stability: ≥1 year at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 217, 254 nm



Laboratory Procedures

For long term storage, we suggest that JWH 145 be stored as supplied at -20°C. It should be stable for at least one year.

JWH 145 is supplied as a crystalline solid. A stock solution may be made by dissolving the JWH 145 in the solvent of choice. JWH 145 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of JWH in ethanol and DMSO is approximately 10 mg/ml and approximately 5 mg/ml in DMF.

JWH 145 is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure 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.

Several aminoalkylindole cannabinoids (CB), including JWH 018 and JWH 073, have been detected in herbal blends.^{1,2} JWH 145 is a (1-naphthoyl)pyrrole analog of JWH 018 that potently activates both CB₁ and CB₂ receptors (K_i values of 14 and 6.4 nM, respectively).³ Its biological properties have not been evaluated. This compound is intended for forensic and research applications.

References

1. 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).
2. Auwärter, V., Dresen, S., Weinmann, W., *et al.* 'Spice' and other herbal blends: Harmless incense or cannabinoid designer drugs? *J. Mass Spectrom.* **44**, 832-837 (2009).
3. Huffman, J.W., Padgett, L.W., Isherwood, M.L., *et al.* 1-Alkyl-2-aryl-4-(1-naphthoyl)pyrroles: New high affinity ligands for the cannabinoid CB₁ and CB₂ receptors. *Bioorg. Med. Chem. Lett.* **16(20)**, 5432-5435 (2006).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/10825

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

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