

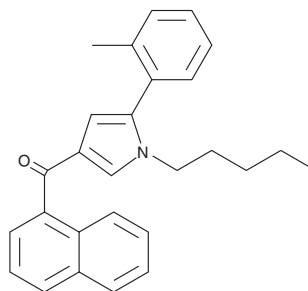
# PRODUCT INFORMATION



## JWH 370

Item No. 10827

**CAS Registry No.:** 914458-22-3  
**Formal Name:** [5-(2-methylphenyl)-1-pentyl-1H-pyrrol-3-yl]-1-naphthalenyl-methanone  
**MF:** C<sub>27</sub>H<sub>27</sub>NO  
**FW:** 381.5  
**Purity:** ≥95%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in methanol  
**UV/Vis.:** λ<sub>max</sub>: 216, 248 nm



### Laboratory Procedures

For long term storage, we suggest that JWH 370 be stored as supplied at -20°C. It should be stable for at least one year.

JWH 370 is supplied as a solution in methanol. To change the solvent, simply evaporate the methanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide (DMF) purged with an inert gas can be used. The solubility of JWH 370 in ethanol and DMSO is approximately 10 mg/ml and approximately 5 mg/ml in DMF.

JWH 370 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.

### Description

Several aminoalkylindole cannabinoids (CB), including JWH 018 and JWH 073, have been detected in herbal blends.<sup>1,2</sup> JWH 370 is a (1-naphthoyl)pyrrole analog of JWH 018 that potently activates both CB<sub>1</sub> and CB<sub>2</sub> receptors (K<sub>i</sub> values of 5.6 and 4.0 nM, respectively).<sup>3</sup> 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)**, 109-115 (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 CB<sub>1</sub> and CB<sub>2</sub> receptors. *Bioorg. Med. Chem. Lett.* **16(20)**, 5432-5435 (2006).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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