

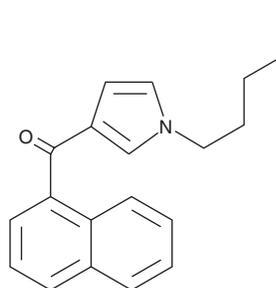
# PRODUCT INFORMATION



**JWH 030**

Item No. 10831

**CAS Registry No.:** 162934-73-8  
**Formal Name:** 1-naphthalenyl(1-pentyl-1H-pyrrol-3-yl)-methanone  
**MF:** C<sub>20</sub>H<sub>21</sub>NO  
**FW:** 291.4  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 217 nm  
**Supplied as:** A solution in methanol  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Description

JWH 030 (Item No. 10831) is a naphthoyl pyrrole cannabinimetic which activates the CB<sub>1</sub> receptor (EC<sub>50</sub> = 30.5 nM for rat, K<sub>i</sub> = 87 nM for mouse) better than CB<sub>2</sub> (EC<sub>50</sub> = 552 nM for human CB<sub>2</sub>).<sup>1,2</sup> JWH 030 is quite potent *in vivo* in the mouse spontaneous activity and tail flick (antinociception) assays (ED<sub>50</sub> = 26.8 μM/kg).<sup>2</sup> It also dose-dependently inhibits electrically-induced contractions of the mouse vas deferens (IC<sub>50</sub> = 3.38 nM).<sup>3</sup> This product is intended for forensic or research purposes.

## References

1. Tarzia, G., Duranti, A., Tontini, A., *et al.* Synthesis and structure-activity relationships of a series of pyrrole cannabinoid receptor agonists. *Bioorg. Med. Chem.* **11(18)**, 3965-3973 (2003).
2. Lainton, J.A.H., Huffman, J.W., Martin, B.R., *et al.* 1-Alkyl-3-(1-naphthoyl)pyrroles: A new class of cannabinoid. *Tetrahedron Lett.* **36(9)**, 1401-1404 (1995).
3. Pertwee, R.G., Griffin, G., Lainton, J.A.H., *et al.* Pharmacological characterization of three novel cannabinoid receptor agonists in the mouse isolated vas deferens. *Eur. J. Pharmacol.* **284(3)**, 241-247 (1995).

### 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.

### WARRANTY AND LIMITATION OF REMEDY

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