



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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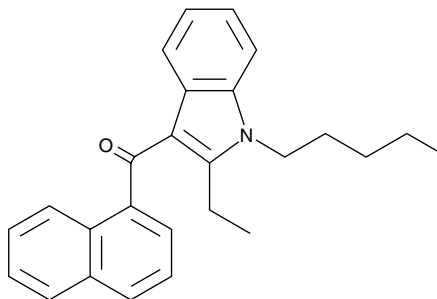
# Product Information



## JWH 116

Item No. 13977

**CAS Registry No.:** 619294-64-3  
**Formal Name:** (2-ethyl-1-pentyl-1H-indol-3-yl)-1-naphthalenyl-methanone  
**MF:** C<sub>26</sub>H<sub>27</sub>NO  
**FW:** 369.5  
**Purity:** ≥98%  
**Stability:** ≥2 years at -20°C  
**Supplied as:** A solution in methanol  
**UV/Vis.:** λ<sub>max</sub>: 219, 250, 321 nm



### Laboratory Procedures

For long term storage, we suggest that JWH 116 be stored as supplied at -20°C. It should be stable for at least two years.

JWH 116 is supplied as a crystalline solid. A stock solution may be made by dissolving the JWH 116 in the solvent of choice. JWH 116 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of JWH 116 in these solvents is approximately 10, 11, and 16 mg/ml, respectively.

JWH 116 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.

JWH 116 is a synthetic cannabinoid (CB) receptor ligand from the naphthoylindole family. It is the indole 2-ethyl derivative of the related compound JWH 018 (Item Nos. 10900 and 13169) and has a K<sub>i</sub> value of 52 nM for the CB<sub>1</sub> receptor.<sup>1</sup>

### Reference

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 CB<sub>1</sub> cannabinoid receptor. *Bioorg. Med. Chem.* **11**, 539-549 (2003).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/13977](http://www.caymanchem.com/catalog/13977)

**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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