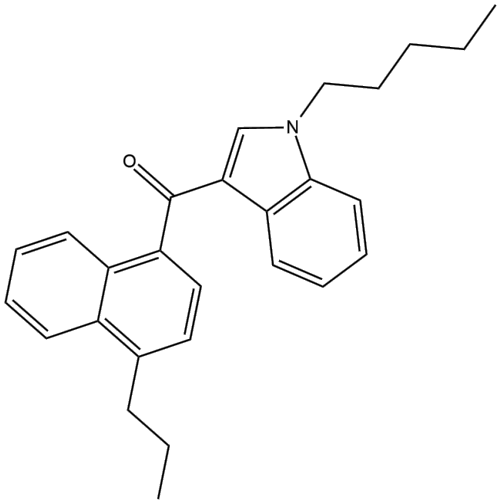
# Product Data Sheet

Product Name: JWH 182
Cat. No.: GC18842

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 824960-02-3 | | |
| Chemical Name | (1-pentyl-1H-indol-3-yl)(4-propyl-1-naphthalenyl)-methanone | | |
| SMILES | CCCCCN1C=C(C(C2=C(C=CC=C3)C3=C(CCC)C=C2)=O)C4=C1C=CC=C4 | | |
| Formula | $C_{27}H_{29}NO$ | M.Wt | 383.5 |
| Solubility | 0.5mg/mL in ethanol, 20mg/mL in DMSO, 50mg/mL in DMF | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure | | | |




## Background

JWH 182 is a potent synthetic cannabinoid (CB), activating the central CB1 receptor with a Ki value of 0.65 nM and the peripheral CB2 receptor with a Ki value of 1.1 nM.[1] Its effects in cells and animals are unknown.

***Caution: Product has not been fully validated for medical applications. For research use only.***
***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***
***Address: 10292 Central Ave. #205, Montclair, CA, USA***

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Reference:

[1]. Huffman, J.W., Zengin, G., Wu, M.J., et al. Structure-activity relationships for 1-alkyl-3-(1-naphthoyl)indoles at the cannabinoid CB1 and CB2 receptors: Steric and electronic effects of naphthoyl substituents. New highly selective CB2 receptor agonists. Bioorg. Med. Chem. 13, 89-112 (2005).

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