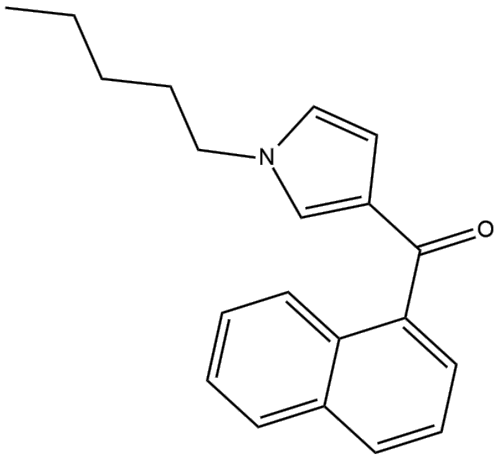
# Product Data Sheet

Product Name: JWH 030
Cat. No.: GC18493

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 162934-73-8 | | |
| Chemical Name | 1-naphthalenyl(1-pentyl-1H-pyrrol-3-yl)-methanone | | |
| SMILES | O=C(C1=CN(CCCCC)C=C1)C2=C(C=CC=C3)C3=CC=C2 | | |
| Formula | $C_{20}H_{21}NO$ | M.Wt | 291.4 |
| Solubility | DMF: 10 mg/ml,DMSO: 10 mg/ml,Ethanol: 20 mg/ml,Ethanol:PBS(pH 7.2) (1:1): Insouble,PBS (pH 7.2): Insouble | 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 030 is a naphthoyl pyrrole cannabimimetic which activates the CB1 receptor (EC50 = 30.5 nM for rat, Ki = 87 nM for mouse) better than CB2 (EC50 = 552 nM for human CB2). JWH 030 is quite

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potent in vivo in the mouse spontaneous activity and tail flick (antinociception) assays (ED50 = 26.8 μM/kg). It also dose-dependently inhibits electrically-induced contractions of the mouse vas deferens (IC50 = 3.38 nM). This product is intended for forensic or research purposes.