

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

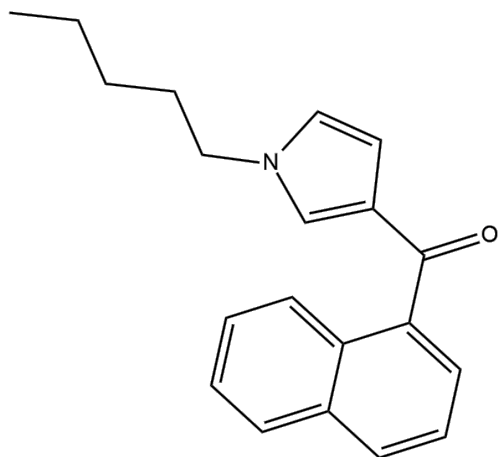
Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: 20 mg/ml, Ethanol:PBS(pH 7.2) (1:1): Insoluble, PBS (pH 7.2): Insoluble

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 ($EC_{50} = 30.5$ nM for rat, $K_i = 87$ nM for mouse) better than CB2 ($EC_{50} = 552$ 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 ($ED_{50} = 26.8 \mu\text{M/kg}$). It also dose-dependently inhibits electrically-induced contractions of the mouse vas deferens ($IC_{50} = 3.38 \text{ nM}$). This product is intended for forensic or research purposes.

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