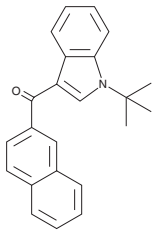
PRODUCT INFORMATION

JWH 073 2'-naphthyl-N-(1,1-dimethylethyl) isomer

Item No. 9001017

Formal Name:	(1-(*tert*-butyl)-1H-indol-3-yl)(naphthalen-2-yl) methanone
MF:	$C_{23}H_{21}NO$
FW:	327.4
Purity:	≥98%
UV/Vis.:	λ_{max}: 216, 252, 322 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥5 years



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

Description

JWH 073 is a synthetic cannabinoid (CB) that activates both the central cannabinoid (CB_1) and the peripheral cannabinoid (CB_2) receptors (K_i = 8.9 and 38 nM, respectively).[1] This cannabimimetic compound has been identified in herbal blends.[2-4] JWH 073 2'-naphthyl-N-(1,1-dimethylethyl) isomer differs structurally from JWH 073 by having the naphthyl group attached at the 2 position and a 1,1-dimethylethyl group in place of a butyl chain. The biological and toxicological properties of this compound have not been characterized. This product is intended for forensic and research applications.

References

1. Aung, M.M., Griffin, G., Huffman, J.W., *et al.* Influence of the N-1 alkyl chain length of cannabimimetic indoles upon CB_1 and CB_2 receptor binding. *Drug Alcohol Depend.* **60(2)**, 133-140 (2000).
2. Kikura-Hanajiri, R., Uchiyama, N., and Goda, Y. Survey of current trends in the abuse of psychotropic substances and plants in Japan. *Leg. Med. (Tokyo)* **13(3)**, 109-15 (2011).
3. Lindigkeit, R., Boehme, A., Eiserloh, I., *et al*. Spice: A never ending story? *Forensic Sci. Int*. **191(1-3)**, 58-63 (2009).
4. Uchiyama, N., Kikura-Hanajiri, R., Ogata, J., *et al*. Chemical analysis of synthetic cannabinoids as designer drugs in herbal products. *Forensic Sci. Int*. **198(1-3)**, 31-38 (2010).

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.

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