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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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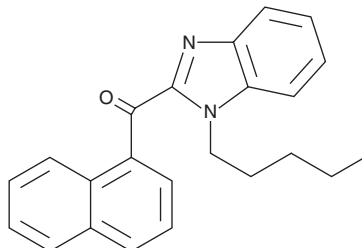
PRODUCT INFORMATION



JWH 018 benzimidazole analog

Item No. 15074

CAS Registry No.: 2316839-70-8
Formal Name: naphthalen-1-yl(1-pentyl-1H-benzo[d]imidazol-2-yl)methanone
Synonym: BIM-108
MF: C₂₃H₂₂N₂O
FW: 342.4
Purity: ≥95%
UV/Vis.: λ_{max}: 219, 324 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 018 (Item No. 10900) is a mildly selective agonist of the peripheral cannabinoid (CB₂) receptor with K_i values of 9.0 and 2.94 nM for the central cannabinoid (CB₁) and CB₂ receptors, respectively.¹ JWH 018 benzimidazole analog replaces the indole core of JWH 018 with a benzimidazole core. While the physiological and toxicological properties of this compound have not been tested, other benzimidazole derivatives demonstrate high selectivity for the CB₂ receptor.² 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 CB₁ and CB₂ receptor binding. *Drug Alcohol Depend.* **60(2)**, 133-140 (2000).
2. Pagé, D., Balaux, E., Boisvert, L., *et al.* Novel benzimidazole derivatives as selective CB₂ agonists. *Bioorg. Med. Chem. Lett.* **18(13)**, 3695-3700 (2008).

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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