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- Trockeneiszuschlag
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- Expressversand

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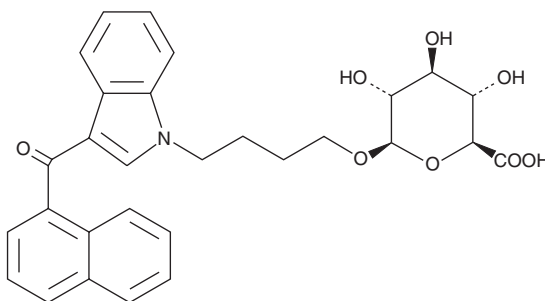
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PRODUCT INFORMATION

JWH 073 N-(4-hydroxybutyl) β -D-Glucuronide

Item No. 11464

CAS Registry No.: 1322008-41-2
Formal Name: 4-[3-(1-naphthalenylcarbonyl)-1H-indol-1-yl]butyl β -D-glucopyranosiduronic acid
MF: $C_{29}H_{29}NO_8$
FW: 519.6
Purity: $\geq 98\%$
UV/Vis.: λ_{max} : 218, 246, 317 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 (Item No. 14237) is a mildly selective agonist of the central cannabinoid (CB_1) receptor derived from the aminoalkylindole WIN 55,212-2. The K_i values for binding CB_1 and the peripheral CB_2 receptor are 8.9 and 38 nM, respectively, for a $CB_1:CB_2$ ratio of 0.23.¹ JWH 073 is one of several synthetic CBs which have been included in smoking mixtures. JWH 073 N-(4-hydroxybutyl) β -D-Glucuronide is expected to be a urinary metabolite of JWH 073 based on the metabolism of the closely-related JWH 015 (Item No. 10009018) and JWH 018 (Item No. 10900).²⁻⁴ The physiological and toxicological properties of this compound have not been tested. 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. Sobolevsky, T., Prasolov, I., and Rodchenkov, G. Detection of JWH-018 metabolites in smoking mixture post-administration urine. *Forensic Sci. Int.* **200**(1-3), 141-147 (2010).
3. Wintermeyer, A., Möller, I., Thevis, M., *et al.* *In vitro* phase I metabolism of the synthetic cannabimimetic JWH-018. *Anal. Bioanal. Chem.* **398**(5), 2141-53 (2010).
4. Chimalakonda, K.C., Moran, C.L., Kennedy, P.D., *et al.* Solid-phase extraction and quantitative measurement of omega and omega-1 metabolites of JWH-018 and JWH-073 in human urine. *Anal. Chem.* **83**(16), 6381-6388 (2011).

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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