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Produktinformation

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siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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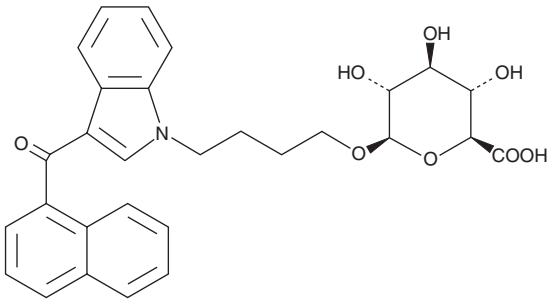
PRODUCT INFORMATION

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:	≥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).

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