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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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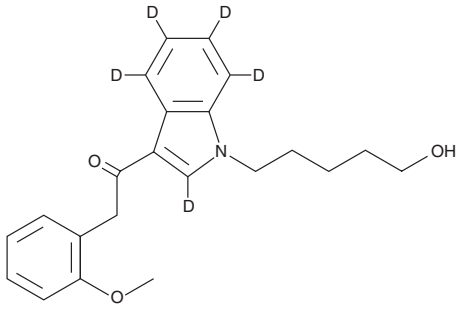
PRODUCT INFORMATION

JWH 250 N-(5-hydroxypentyl) metabolite-d_5

Item No. 11474

CAS Registry No.: 2748212-89-5
Formal Name: 1-[1-(5-hydroxypentyl)-1H-indol-3-yl-2,4,5,6,7-d_5]-2-(2-methoxyphenyl)-ethanone
MF: $C_{22}H_{20}D_5NO_3$
FW: 356.5
Chemical Purity: ≥98% JWH 250 N-(5-hydroxypentyl) metabolite
Deuterium Incorporation: ≥99% deuterated forms (d_1-d_5); ≤1% d_0
UV/Vis.: λ_{max}: 212, 245, 303 nm
Supplied as: A solution in methanol
Storage: -20°C
Stability: ≥4 years



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

Description

JWH 250 N-(5-hydroxypentyl) metabolite-d_5 (Item No. 11474) is intended for use as an internal standard for the quantification of JWH 250 N-(5-hydroxypentyl) metabolite (Item No. 9000767) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

Cannabimimetic indoles, including certain "JWH" compounds, have been identified in herbal blends.[1] Hydroxylated and glucuronidated metabolites of two closely-related compounds, JWH 015 and JWH 018, have been identified from *in vitro* liver microsomal metabolism and from urine, respectively.[2-4] JWH 250 is a cannabimimetic indole that is structurally- and functionally-related to JWH 015 and JWH 018. JWH 250 N-(5-hydroxypentyl) metabolite is expected to be a metabolite of JWH 250 that would be detectable both in serum and in urine.

References

1. Uchiyama, N., Kikura-Hanajiri, R., Kawahara, N., *et al*. *Forensic Toxicol.* **27**, 61-66 (2009).
2. Zhang, Q., Ma, P., Cole, R.B., *et al*. *Anal. Bioanal. Chem.* **386**, 1345-1355 (2006).
3. Sobolevsky, T., Prasolov, I., and Rodchenkov, G. *Forensic Sci. Int.* **200**, 141-147 (2010).
4. Moran, C.L., Le, V.H., Chimalakonda, K.C., *et al*. *Anal. Chem.* **83(11)**, 4228-4236 (2011).

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