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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- 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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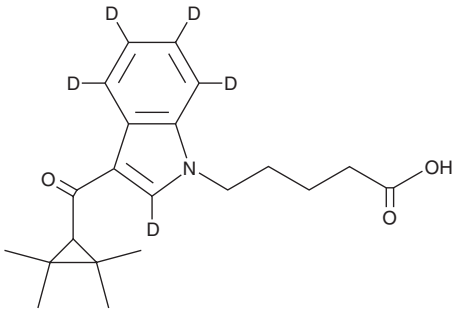
PRODUCT INFORMATION

UR-144 N-pentanoic acid metabolite-d_5

Item No. 14376

CAS Registry No.:	2117405-23-7
Formal Name:	5-(3-(2,2,3,3-tetramethyl-cyclopropanecarbonyl)-1H-indol-1-yl-2,4,5,6,7-d_5)pentanoic acid
Synonym:	XLR11 N-pentanoic acid metabolite-d_5
MF:	$C_{21}H_{22}D_5NO_3$
FW:	346.5
Chemical Purity:	≥98% (UR-144 N-pentanoic acid metabolite)
Deuterium Incorporation:	≥99% deuterated forms (d_1-d_5); ≤1% d_0
UV/Vis.:	λ_{max}: 217, 246, 303 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

UR-144 N-pentanoic acid metabolite-d_5 (Item No. 14376) is intended for use as an internal standard for the quantification of UR-144 N-pentanoic acid metabolite (Item No. 11773) 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).

UR-144 (Item No. 11502) is a potent synthetic cannabinoid (CB) that preferentially binds the peripheral CB_2 receptor (K_i = 1.8 nM) over the central CB_1 receptor (K_i = 150 nM).[1] UR-144 N-pentanoic acid metabolite is an expected phase I metabolite of UR-144, based on the metabolism of similar cannabimimetics.[2,3] This metabolite should be detectable in either serum or urine.[2,3] The physiological and toxicological properties of this compound have not been tested. This product is intended for forensic and research applications.

References

1. Frost, J.M., Dart, M.J., Tietje, K.R., *et al.* Indol-3-ylcycloalkyl ketones: Effects of N1 substituted indole side chain variations on CB_2 cannabinoid receptor activity. *J. Med. Chem.* **53(1)**, 295-315 (2010).
2. Wintermeyer, A., Möller, I., Thevis, M., *et al.* In vitro phase I metabolism of the synthetic cannabimimetic JWH-018. *Anal. Bioanal. Chem.* **398(5)**, 2141-2153 (2010).
3. 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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