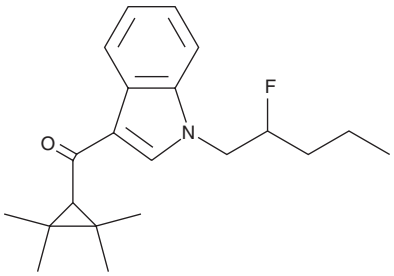
PRODUCT INFORMATION

XLR11 N-(2-fluoropentyl) isomer

Item No. 11767

CAS Registry No.: 1628690-25-4
Formal Name: [1-(2-fluoropentyl)-1H-indol-3-yl] (2,2,3,3-tetramethylcyclopropyl)-methanone
MF: $C_{21}H_{28}FNO$
FW: 329.5
Purity: ≥98%
UV/Vis.: λ_{max}: 216, 244, 301 nm
Supplied as: A 1 mg/ml 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

XLR11 (Item No. 11565) is a synthetic cannabinoid (CB) featuring a tetramethylcyclopropyl group, which reportedly confers selectivity for the peripheral CB_2 receptor over the central CB_1 receptor.[1] XLR11 also has an N-(5-fluoropentyl) chain, which increases binding to both CB receptors.[2] XLR11 N-(2-fluoropentyl) isomer differs structurally from XLR11 by having fluorine at the 2 position rather than the 5 position of the pentyl chain. The biological and toxicological properties of this compound have not been evaluated. 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**, 295-315 (2010).
2. Makriyannis, A. and Deng, H. Cannabimimetic indole derivatives. *University of Connecticut*. **WO 01/28557 A1** (2001).

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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