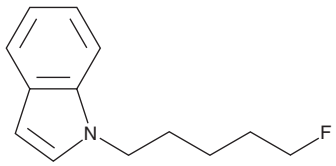
PRODUCT INFORMATION

5-Fluoropentylindole

Item No. 15454

CAS Registry No.: 1859218-30-6
Formal Name: 1-(5-fluoropentyl)-1H-indole
MF: $C_{13}H_{16}FN$
FW: 205.3
Purity: ≥95%
UV/Vis.: λ_{max}: 221, 274 nm
Supplied as: A solution in methanol
Storage: -20°C
Stability: ≥2 years



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

Description

A wide variety of aminoalkylindole analogs are potent synthetic cannabinoids (CBs), including many of the JWH compounds.[1] An alkyl chain of five carbons in length produces compounds with high affinity for both the central CB_1 and the peripheral CB_2 receptors.[2] The addition of a terminal fluorine to the pentyl chain can further increase affinity for both CB receptors.[3] 5-Fluoropentylindole is the base structure for a variety of synthetic CBs. A range of structures are commonly added to this base *via* a ketone linkage at the three position of the indole. The physiological and toxicological properties of this compound have not been evaluated. This product is intended for forensic and research applications.

References

1. Wiley, J.L., Compton, D.R., Dai, D., *et al*. Structure-activity relationships of indole- and pyrrole-derived cannabinoids. *J. Pharmacol. Exp. Ther.* **285(3)**, 995-1004 (1998).
2. 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**, 133-140 (2000).
3. Makriyannis, A. and Deng, H. Cannabimimetic indole derivatives. WO 01/28557 A1 (2001), 1-25, PCT/US00/28832.

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