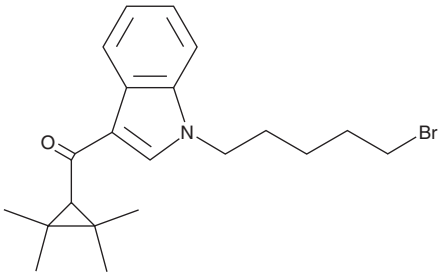
PRODUCT INFORMATION

UR-144 N-(5-bromopentyl) analog

Item No. 12003

CAS Registry No.:	1628690-26-5
Formal Name:	[1-(5-bromopentyl)-1H-indol-3-yl] (2,2,3,3-tetramethylcyclopropyl)-methanone
Synonym:	5-bromo UR-144
MF:	$C_{21}H_{28}BrNO$
FW:	390.4
Purity:	≥98%
UV/Vis.:	λ_{max}: 217, 246, 304 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 (Item No. 11502) is a potent synthetic cannabinoid (CB) which 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-(5-bromopentyl) analog (Item No. 12003) differs from UR-144 by having a bromine atom on the terminal carbon of the alkyl group. While similar modifications have little effect on the receptor affinities of analogs of tetrahydrocannabinol, the activity of this compound has not been examined.[2,3] This product is intended for research and forensic 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. Nikas, S.P., Grzybowska, J., Papahatjis, D.P., *et al*. The role of halogen substitution in classical cannabinoids: A CB_1 pharmacophore model. *AAPS J.* **6(4)**, 1-13 (2004).
3. Nikas, S.P., Alapafuja, S.O., Papanastasiou, I., et al. Novel 1',1'-chain substituted hexahydrocannabinols: 9β-hydroxy-3-(1-hexyl-cyclobut-1-yl)-hexahydrocannabinol (AM2389) a highly potent cannabinoid receptor 1 (CB_1) agonist. *J. Med. Chem.* **53(19)**, 6996-7010 (2010).

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