



11-hydroxy Cannabinol

Cat. No.:	OB0626WX-568
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, TLC, and HPLC.
Size:	1 mg; 5 mg; 10 mg; 25 mg

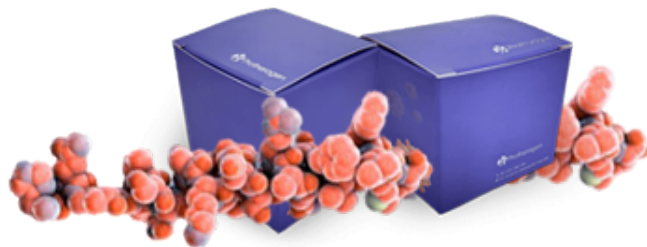
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	11-hydroxy Cannabinol is a high-purity analytical reference standard categorized as a major phytocannabinoid metabolite, arising as the primary active downstream biotransformation product of cannabidiol.
Synonyms	1-hydroxy-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-methanol; 11-hydroxy CBN; 11-Hydroxycannabinol; 6H-Dibenzo(b,d)pyran-9-methanol, 1-hydroxy-6,6-dimethyl-3-pentyl-; 9-(hydroxymethyl)-6,6-dimethyl-3-pentylbenzo[c]chromen-1-ol; 9-Hydroxymethyl-6,6-dimethyl-3-pentyl-6H-benzo[c]chromen-1-ol; 30432-08-7
CAS No.	30432-08-7
Compound CID	3082311
Formula	C ₂₁ H ₂₆ O ₃
Formula Weight	326.4

Specification

Source	Synthetic
λ_{max}	224 nm; 286 nm
Solubility in DMSO	10 mg/mL
Solubility in DMF	12 mg/mL
Solubility in Other Solvents	PBS: 0.25 mg/mL
IUPAC Name	9-(hydroxymethyl)-6,6-dimethyl-3-pentylbenzo[c]chromen-1-ol



InChI	InChI=1S/C21H26O3/c1-4-5-6-7-14-11-18(23)20-16-10-15(13-22)8-9-17(16)21(2,3)24-19(20)12-14/h8-12,22-23H,4-7,13H2,1-3H3
InChI Key	YDKZOUNVEIGJPO-UHFFFAOYSA-N
Canonical SMILES	<chem>CC(OC1=C2C(O)=CC(CCCCC)=C1)(C)C3=C2C=C(CO)C=C3</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	11-hydroxy Cannabinol operates as an analytically defined oxidized cannabinol metabolite standard for calibrating high-performance separation protocols, verifying trace degradation pathways, and studying how target ring systems alter molecular interactions within lipid signaling domains.