

Product Name	: Cannabidiol
Synonyms	: —
Cat No.	: M20247
CAS Number	: 13956-29-1
Molecular Formula	: C ₂₁ H ₃₀ O ₂
Formula Weight	: 314.46
Chemical Name	: 2-[1R-3-methyl-6R-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-13-benzenediol
Description	: Cannabidiol is GPR55 and weak CB1 antagonist (IC ₅₀ s: 0.445 and 3.35 μM) CB2 receptor inverse agonist and inhibitor of anandamide uptake (IC ₅₀ : 27.5 μM). It also a weak agonist at VR1 vanilloid receptors (EC ₅₀ : 3.5 μM).
Pathway	: Endocrinology/Hormones
Target	: Opioid Receptor
Receptor	: GPR55 antagonist; CB1 antagonist; CB2 inverse agonist; VR1
Solubility	: DMSO: Soluble
SMILES	: <chem>CCCCCc1cc(O)c([C@@H]2C=C(C)CC[C@H]2C(C)=C)c(O)c1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Ryberg E et al. The orphan receptor GPR55 is a novel cannabinoid receptor. Br J Pharmacol. 2007 Dec;152(7):1092-101.