Cannabidiol
Item No. 90080

CAS Registry No.: 13956-29-1
Formal Name: 2-[1R-3-methyl-6R-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-1,3-benzenediol
Synonym: CBD
MF: C21H30O2
FW: 314.5
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥1 year

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

Description

Cannabidiol is an active phytocannabinoid identified in Cannabis (composes ~40% of the plant’s extract). Unlike Δ⁹-THC (Item No. 12068), cannabidiol is considered to be non-psychoactive.¹ Cannabidiol has a very low affinity for CB₁ and CB₂ receptors but acts as an indirect antagonist and is thought to potentiate the effects of Δ⁹-THC.² cannabidiol is reported to act as a CB₂ receptor inverse agonist, GPR55 antagonist, and a 5-HT₁A receptor agonist.²-⁵ It can allosterically modulate μ- and δ-opioid receptors as well as agonize PPARγ receptors and stimulate intracellular calcium release.⁶ ⁷

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO/IEC 17025 and ISO Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CoAs and can be downloaded using the batch number located on the product label. For a representative CoA please contact our technical support.

References