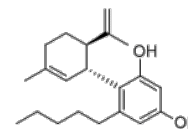


Product Name : Abn-CBD
Cat. No. : PC-35025
CAS No. : 22972-55-0
Molecular Formula : C₂₁H₃₀O₂
Molecular Weight : 314.469
Target : GPR55
Solubility : 10 mM in DMSO



Biological Activity

Abn-CBD (Abnormal Cannabidiol) is a selective agonist of **GPR55** receptor with EC₅₀ of 2.5 μ M, shows no significant activity against CB1 and CB2 receptors (EC₅₀>30 μ M).

Abn-CBD is also a full agonist at GPR18, with EC₅₀ of 0.835 μ M for inducing p44/42 MAPK phosphorylation in HEK293 cells stably transfected with GPR18.

Abn-CBD regulates the migratory activity of murine BV-2 microglial cells with EC₅₀ of 0.6 μ M.

Abn-CBD induces endothelium-dependent vasodilation via a CB1/CB2/NO-independent mechanism and inhibits vasoconstriction induced by ET-1 in retinal arterioles.

Abn-CBD also is a nonretinoid inhibitor of cellular retinol-binding protein 1 (**CRBP1**) with K_i of 67 nM.

References

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Walter L, et al. *J Neurosci*. 2003 Feb 15;23(4):1398-405.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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