(±)-CP 47,497 (exempt preparation)
Item No. 16851

CAS Registry No.: 70434-82-1
Formal Name: rel-2-[(1S,3R)-3-hydroxycyclohexyl]-5-(2-methyloctan-2-yl)-phenol
Synonyms: CP 47,947
MF: C21H34O2
FW: 318.5
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A solution in methanol

Laboratory Procedures
For long term storage, we suggest that (±)-CP 47,497 (exempt preparation) be stored as supplied at -20°C. It should be stable for at least two years.

(±)-CP 47,497 (exempt preparation) is supplied as a solution in methanol. To change the solvent, simply evaporate the methanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide purged with an inert gas can be used. The solubility of (±)-CP 47,497 (exempt preparation) in these solvents is approximately 10 mg/ml.

If aqueous stock solutions are required for biological experiments, they can best be prepared by diluting the organic solvent into aqueous buffers or isotonic saline. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

(±)-CP 47,497 is a monophenol cannabinimetic compound that binds the central cannabinoid (CB1) receptor with a Ki value of 2.2 nM.1,2 It is equivalent in analgesic potency to Δ9-THC and exhibits other CB biological activities as well.

References

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