

Dextromethorphan Beyond the Cough: Exploring Its Psychedelic Potential – a Systematic Review

Running Title: Dextromethorphan as a Psychedelic: Systematic Review

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Supplemental Information 3. Full Search Strategy.

PubMed

("Dextromethorphan"[mh] OR "dextromethorphan"[tiab]) AND ("Hallucinogens"[Mesh] OR hallucinogens[tiab] OR hallucinogen[tiab] OR dissociative state OR dissociation OR mystical experience OR depersonal* OR dereali* OR spiritual experience OR synesthesia OR perceptual distortion* OR sensory distortion OR cognitive flex* OR emotional lability OR mood elevation OR psychotomimetic effects) AND ("Dose-Response Relationship, Drug"[Mesh] OR "administration and dosage" [Subheading] OR administration schedule, drug OR administration schedules, drug OR drug administration schedules OR schedule, drug administration OR schedules, drug administration OR drug administration schedule OR cumulative OR peak OR infusion duration OR dosage) NOT("animals"[MeSH Terms] NOT "humans"[MeSH Terms])

Date Searched: August 8th 2025

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Embase

('Dextromethorphan' OR 'dextromethorphan'/exp) AND ('psychedelic agent'/exp OR 'psychedelic agent' OR 'hallucinogen'/exp OR 'hallucinogen' OR 'hallucinogens'/exp OR 'hallucinogens' OR 'dissociative state' OR 'dissociation'/exp OR 'dissociation' OR 'mystical experience' OR 'depersonalization'/exp OR 'depersonalization' OR deperson*:ti,ab OR 'derealization'/exp OR 'derealization' OR derealiz*:ti,a OR 'spiritual experience' OR 'synesthesia'/exp OR 'synesthesia' OR 'sensory distortion' OR 'cognitive flexibility'/exp OR 'cognitive flexibility' OR 'mental instability'/exp OR 'mental instability' OR 'emotional lability'/exp OR 'emotional lability' OR 'mood elevation' OR 'psychotomimetic effects') AND ('drug dose'/exp OR 'administration of drugs, food and chemicals'/exp OR dosage:ti,ab OR dose:ti,ab OR drug NEAR/3 administ* NEAR/3 schedule* OR cumulative:ti,ab OR peak:ti,ab OR 'infusion duration') NOT (('animals'/exp OR animals) NOT ('humans'/exp OR humans))

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TS=(Dextromethorphan OR dextromethorphan) AND TS=(Hallucinogens OR hallucinogens OR hallucinogen OR "dissociative state" OR dissociation OR "mystical experience" OR depersonal* OR dereali* OR "spiritual experience" OR synesthesia OR "perceptual distortion*" OR "sensory distortion" OR "cognitive flex*" OR "emotional lability" OR "mood elevation"OR "psychotomimetic effects") AND TS=(administration and dosage OR administration schedule, drug OR administration schedules, drug OR drug administration schedules OR schedule, drug administration OR schedules, drug administration OR drug administration schedule OR cumulative OR peak OR infusion duration OR dosage)

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