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(54) **Title:** IMPROVED SYNTHESIS OF PSILOCYBIN DERIVATIVES

(57) **Abstract:** The present invention relates to an improved synthesis of psilocybin and alkyl- derivatives of psilocybin such as ethocybin (4-phosphoryloxy-N,N-diethyltryptamine, also known as phosphoryloxy-DET, PO-DET or CEY-39) and furthermore, relates to intermediates useful in the synthesis of these compounds.



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