

Title (en)
ARYLALKYLAMINE, PYRROLE, INDOLE AND OPIATE DERIVATIVE CONCENTRATION DETERMINATION METHOD AND TEST KIT USING SAID METHOD

Title (de)
ARYLALKYLAMIN-, PYRROL-, INDOL- UND OPIATDERIVATKONZENTRATIONSBESTIMMUNGSVERFAHREN SOWIE TESTKIT UNTER VERWENDUNG DIESER VERFAHRENS

Title (fr)
PROCÉDÉ POUR DÉTERMINER LA CONCENTRATION EN DÉRIVÉS D'ARYLALKYLAMINE, DE PYRROLE, D'INDOLE ET D'OPIACÉS ET TROUSSE D'ANALYSE UTILISANT CE PROCÉDÉ

Publication
EP 3994458 A1 20220511 (DE)

Application
EP 20743581 A 20200630

Priority
• DE 102019117739 A 20190701
• DE 2020100566 W 20200630

Abstract (en)
[origin: CA3145995A1] The invention relates to an arylalkylamine, pyrrole, indole and opiate derivative concentration determination method and a test kit using said method for precise determination of the presence and precise concentration of said substances which have an indole as a structural element and similarly structured substances having primary amines or pyrrole compounds, phenylethylamines and other substances. The problem addressed by the invention is that of providing an arylalkylamine, pyrrole, indole and opiate derivative concentration determination method and a test kit for concentration determination, which provide fast, low-cost and low-effort quantitative detection of indole derivatives, in particular of psilocybin, and of arylalkylamine, pyrrole or opiate derivatives and in so doing enable precise determination of the presence and precise concentrations of different natural substances, such as psilocybin, for example, which have an indole as a structural fragment, and similarly structured substances having primary or secondary amines or pyrrole compounds in a rapid test. Said problem is solved in that the method comprises two method steps in the form of an extraction step and a subsequent analysis step using a color reagent, wherein in the analysis step at least one color reagent having at least one arylalkyl, pyrrole, indole or opiate derivative causes a quantitative and linear color reaction which is measurable by means of colorimetric methods and which is detected and evaluated.

IPC 8 full level
G01N 31/22 (2006.01); **G01N 21/78** (2006.01); **G01N 33/52** (2006.01); **G01N 33/53** (2006.01); **G01N 33/94** (2006.01)

CPC (source: EP US)
G01N 31/22 (2013.01 - EP US); **G01N 33/946** (2013.01 - EP US)

Citation (search report)
See references of WO 2021000997A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102019117739 A1 20210107; CA 3145995 A1 20210107; EP 3994458 A1 20220511; US 2023067029 A1 20230302; WO 2021000997 A1 20210107

DOCDB simple family (application)
DE 102019117739 A 20190701; CA 3145995 A 20200630; DE 2020100566 W 20200630; EP 20743581 A 20200630; US 202017624476 A 20200630