

Title (en)

HYDROLYTICALLY LABILE SILYL ENOL ETHER FRAGRANCE KETONES OR ALDEHYDES

Title (de)

HYDROLYSELABILE SILYLENOLEETHER VON RIECHSTOFFKETONEN ODER -ALDEHYDEN

Title (fr)

ÉTHERS D'ÉNOL SYLILÉ, NON STABLES AU COURS DE L'HYDROLYSE, DE CÉTONES PARFUMANTES OU D'ALDÉHYDES PARFUMANTS

Publication

**EP 3692047 A1 20200812 (DE)**

Application

**EP 18778453 A 20180925**

Priority

- DE 102017123282 A 20171006
- EP 2018075892 W 20180925

Abstract (en)

[origin: WO2019068505A1] The invention relates to silyl enol ethers which contain odoriferous ketone or aldehyde residues and are suitable for fragrancing laundry since they release ketones and aldehydes during hydrolysis.

IPC 8 full level

**C07F 7/18** (2006.01); **A61K 8/58** (2006.01)

CPC (source: EP US)

**A61K 8/585** (2013.01 - EP US); **A61L 9/01** (2013.01 - US); **A61Q 13/00** (2013.01 - EP US); **C07F 7/1804** (2013.01 - EP US);  
**C11D 3/50** (2013.01 - EP US)

Citation (examination)

- US 2007037869 A1 20070215 - LAN-HARGEST HSUAN-YIN [US], et al
- US 2002099212 A1 20020725 - KAYAKIRI HIROSHI [JP], et al
- CN 104945231 A 20150930 - UNIV CHONGQING MEDICAL
- HURLOCKER ET AL: "Synthesis of Silyl Monoperoxyketals by Regioselective Cobalt-Catalyzed Peroxidation of Silyl Enol Ethers: Application to the Synthesis of 1,2-Dioxolanes", ORGANIC LETTERS, vol. 16, no. 16, 1 January 2014 (2014-01-01), pages 4280 - 4283, XP002786523, ISSN: 1523-7052, DOI: 10.1021/OL5020015
- MIKAMI KOICHI ET AL: "Enantioselective Catalysis of Ketoester-ene Reaction of Silyl Enol Ether to Construct Quaternary Carbons by Chiral Dicationic Palladium(II) Complexes", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 129, no. 43, 1 October 2007 (2007-10-01), pages 12950 - 12951, XP055887242, ISSN: 0002-7863, DOI: 10.1021/ja076539f
- SHIRAKAWA S ET AL: "A highly chemoselective Mukaiyama aldol reaction of saturated aldehyde over unsaturated aldehyde with enol tris(2,6-diphenylbenzyl)silyl ether", TETRAHEDRON LETTERS, ELSEVIER, AMSTERDAM , NL, vol. 43, no. 8, 18 February 2002 (2002-02-18), pages 1469 - 1472, XP027330643, ISSN: 0040-4039, [retrieved on 20020218]
- LEVIN VITALIJ V. ET AL: "Tris(pentafluorophenyl)silyl Triflate: Synthesis and Silylation of Carbonyl Compounds", EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol. 2004, no. 24, 1 December 2004 (2004-12-01), DE, pages 5141 - 5148, XP055887251, ISSN: 1434-193X, DOI: 10.1002/ejoc.200400552
- FENG JUAN ET AL: "Facile synthesis of pyrroles via Rh(II)-catalyzed transannulation of 1-tosyl-1,2,3-triazoles with silyl or alkyl enol ethers", TETRAHEDRON LETTERS, ELSEVIER, AMSTERDAM , NL, vol. 55, no. 47, 5 October 2014 (2014-10-05), pages 6455 - 6458, XP029089262, ISSN: 0040-4039, DOI: 10.1016/J.TETLET.2014.09.134
- PARASRAM MARVIN ET AL: "Photoinduced Formation of Hybrid Aryl Pd-Radical Species Capable of 1,5-HAT: Selective Catalytic Oxidation of Silyl Ethers into Silyl Enol Ethers", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 138, no. 20, 10 May 2016 (2016-05-10), pages 6340 - 6343, XP055887193, ISSN: 0002-7863, DOI: 10.1021/jacs.6b01628
- NAKANISHI MASAFUMI ET AL: "Iron-Catalyzed Aziridination Reactions", ADVANCED SYNTHESIS AND CATALYSIS, vol. 350, no. 11-12, 4 August 2008 (2008-08-04), pages 1835 - 1840, XP055887236, ISSN: 1615-4150, DOI: 10.1002/adsc.200700519
- See also references of WO 2019068505A1

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)

**WO 2019068505 A1 20190411; DE 102017123282 A1 20190411; EP 3692047 A1 20200812; US 2020331935 A1 20201022**

DOCDB simple family (application)

**EP 2018075892 W 20180925; DE 102017123282 A 20171006; EP 18778453 A 20180925; US 201816753354 A 20180925**