Title (en)

Process for the preparation of thieno(2,3-c) and thieno(3,2-c) pyridines.

Title (de)

Verfahren zur Herstellung von Thieno(2,3-c) und Thieno(3,2-c) Pyridinen.

Title (fr)

Procédé de préparation de thiéno(2,3-c) et thiéno(3,2-c) pyridines.

Publication

EP 0000301 A1 19790110 (FR)

Application

EP 78400018 A 19780613

Priority

FR 7718991 A 19770621

Abstract (en)

[origin: ES469703A1] This invention relates to a process for the preparation of derivatives having the formula: < IMAGE > in which R is hydrogen or the carboxy group, comprising reacting a compound of the formula < IMAGE > with nitrous acid, to give, respectively, the compounds of the formulae: < IMAGE > and then removing the nitroso group from the compounds of the formulae (V) and (VI), respectively, either by reaction with an acid, to give the derivatives of the formulae (I) and (II), respectively, in which R is hydrogen, or by reaction with an alkali metal hydroxide and subsequent neutralization, to give the derivatives of the formulae (I) and (II), respectively, in which R is the carboxy group.

Abstract (fr)

L'invention a pour objet un procédé de préparation de [2,3-c] (I) et [3,2-c] thiénopyridines (II) portant un atome d'hydrogène ou le groupe carboxy en positions 5 et 6 respectivement par réaction d'un dérivé hydroxylé en position 4 ou 7 respectivement avec de l'acide nitreux et élimination du groupe nitroso, soit par réaction avec un acide, obtenant ainsi les dérivés ayant un hydrogène en 5 ou 6, soit par réaction avec un hydroxyde de métal alcalin et neutralisation, obtenant ainsi les dérivés carboxylés correspondants. <IMAGE>

IPC 1-7

C07D 495/04

IPC 8 full level

C07D 495/04 (2006.01); C07D 253/08 (2006.01)

CPC (source: EP US)

C07D 495/04 (2013.01 - EP US)

Citation (search report)

- FR 2312498 A1 19761224 - PARCOR [FR]
- BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, 47, 1297-98 (1974).

Designated contracting state (EPC)

DE NL SE

DOCDB simple family (publication)

EP 0000301 A1 19790110; **EP 0000301 B1 19800917**; AR 216515 A1 19791228; AT 362372 B 19810511; AT A337978 A 19801015; AU 3725578 A 19800103; AU 515505 B2 19810409; BE 868272 A 19781220; CA 1074800 A 19800401; CH 635588 A5 19830415; DD 135492 A5 19790509; DE 2860164 D1 19801218; DK 147827 B 19841217; DK 147827 C 19850610; DK 266978 A 19781222; ES 469703 A1 19781216; FI 63236 B 19830131; FI 63236 C 19830510; FI 781900 A 19781222; FR 2395271 A1 19790119; FR 2395271 B1 19800404; GB 1584143 A 19810204; GR 64843 B 19800604; HU 178316 B 19820428; IE 47055 B1 19831214; IE 781023 L 19781221; IL 54780 A0 19780731; IL 54780 A 19810130; IT 1105427 B 19851104; IT 7849919 A0 19780619; JP S549298 A 19790124; JP S6230192 B2 19870701; LU 79787 A1 19781128; MX 5020 E 19830222; NO 149315 B 19831219; NO 149315 C 19840328; NO 782147 L 19781222; NZ 187625 A 19801128; PH 17024 A 19840511; PL 113510 B1 19801231; PL 207770 A1 19790507; PT 68182 A 19780701; SU 728717 A3 19800415; US 4161599 A 19790717; YU 135878 A 19821031; YU 40709 B 19860430; ZA 783051 B 19790627

DOCDB simple family (application)

EP 78400018 A 19780613; AR 27237578 A 19780530; AT 337978 A 19780510; AU 3725578 A 19780619; BE 188692 A 19780620; CA 305665 A 19780616; CH 554378 A 19780522; DD 20602678 A 19780615; DE 2860164 T 19780613; DK 266978 A 19780614; ES 469703 A 19780511; FI 781900 A 19780614; FR 7718991 A 19770621; GB 2421778 A 19780530; GR 780156151 A 19780505; HU PA001320 A 19780620; IE 102378 A 19780523; IL 5478078 A 19780524; IT 4991978 A 19780619; JP 7479778 A 19780620; LU 79787 A 19780608; MX 713978 U 19780612; NO 782147 A 19780620; NZ 18762578 A 19780620; PH 21265 A 19780615; PL 20777078 A 19780620; PT 6818278 A 19780616; SU 2627501 A 19780621; US 90885778 A 19780523; YU 135878 A 19780607; ZA 783051 A 19780529