

Title (en)  
HALOGENATED RHODAMINE DERIVATIVES AND APPLICATIONS THEREOF

Title (de)  
HALOGENIERTE RHODAMINDERIVATE UND DEREN VERWENDUNGEN

Title (fr)  
DERIVES HALOGENES DE LA RHODAMINE ET LEURS APPLICATIONS

Publication  
**EP 1276734 A1 20030122 (EN)**

Application  
**EP 02708105 A 20020327**

Priority  
• CA 0200438 W 20020327  
• CA 2342675 A 20010402  
• US 82222301 A 20010402

Abstract (en)  
[origin: WO02079183A1] Novel compounds of the formula (I) wherein: one of R1, R2, R3, R4, and (R10)<sub>n</sub> represents an halogen atom and each of the remaining R1, R2, R3, R4, and each of the remaining R10 group is independently selected in the group constituted by hydrogen, halogen atoms, an amino, acylamino, dialkylamino, cycloalkylamino, azacycloalkyl, alkylcycloalkylamino, aroylamino, diarylamino, arylalkylamino, aralkylamino, alkylaralkylamino, arylaralkylamino, hydroxy, alkoxy, aryloxy, aralkyloxy, mercapto, alkylthio, arylthio, aralkylthio, carboxyl, alkoxycarbonyl, aryloxycarbonyl, aralkoxycarbonyl, carbamoyl, alkylcarbamoyl, dialkylcarbamoyl, cyano, hydroxysulfonyl, amidosulfonyl, dialkylamidodisulfonyl, arylalkylamidodisulfonyl, formyl, acyl, aroyl, alkyl, alkylene, alkenyl, aryl, aralkyl, vinyl, alkynyl group and by the corresponding substituted groups; - m = 0 - 1; n = 1-4, A is nil, O, or NH; R9 represents an alkylene group; -Z is H, amino, dialkylamino, or trialkylamino salt; X- is an anion; R5, R6, R7 and R8 are independently H or C1-C6 alkyl or R1 in combination with R5 or R6, or R2 in combination with R5 or R6, or R3 in combination with R7 or R8, or R4 in combination with R7 or R8 represents an alkylene, alone or in association with a pharmaceutically acceptable carrier. These compounds, which are usefull as intermediate and as bactericides, as antiviral agent and in the treatment of immunologic disorders.

IPC 1-7  
**C07D 311/82; A61K 31/352**

IPC 8 full level  
**A61K 31/352** (2006.01); **A61N 5/06** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **A61P 35/02** (2006.01); **A61P 37/00** (2006.01); **C07D 311/82** (2006.01); **C07D 493/10** (2006.01)

CPC (source: EP)  
**A61P 31/00** (2017.12); **A61P 31/04** (2017.12); **A61P 31/12** (2017.12); **A61P 35/00** (2017.12); **A61P 35/02** (2017.12); **A61P 37/00** (2017.12); **A61P 37/02** (2017.12); **A61P 37/04** (2017.12); **A61P 37/06** (2017.12); **A61P 37/08** (2017.12); **A61P 43/00** (2017.12); **C07D 311/82** (2013.01)

Citation (search report)  
See references of WO 02079183A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02079183 A1 20021010; WO 02079183 A8 20030220**; BR 0204489 A 20030401; BR PI0204489 B1 20170530; BR PI0204489 B8 20210525; EP 1276734 A1 20030122; JP 2004518766 A 20040624; JP 2011006421 A 20110113; JP 4647187 B2 20110309; JP 5277211 B2 20130828; MX PA02011638 A 20030514

DOCDB simple family (application)  
**CA 0200438 W 20020327**; BR 0204489 A 20020327; EP 02708105 A 20020327; JP 2002577810 A 20020327; JP 2010157390 A 20100712; MX PA02011638 A 20020327