



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 2 (W2 B1)
Corrections, see
Bibliography INID code(s) 73

(48) Corrigendum issued on:
08.02.2012 Bulletin 2012/06

(45) Date of publication and mention
of the grant of the patent:
15.06.2011 Bulletin 2011/24

(21) Application number: **01976448.9**

(22) Date of filing: **12.10.2001**

(51) Int Cl.:
C07D 471/06 ^(2006.01) **A61K 31/4375** ^(2006.01)
A61P 35/00 ^(2006.01)

(86) International application number:
PCT/GB2001/004557

(87) International publication number:
WO 2002/030932 (18.04.2002 Gazette 2002/16)

(54) **N8,N13 -DISUBSTITUTED QUINO[4,3,2-KL]ACRIDINIUM SALTS AS THERAPEUTIC AGENTS**
N8,N13-DISUBSTITUIERTE CHINO[4,3,2-KL]ACRIDINIUM SALZE ALS ARZNEIMITTEL
SELS DE QUINO[4,3,2-KL]ACRIDINIUM N8,N13-DISUBSTITUES UTILISES COMME AGENTS
THERAPEUTIQUES

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

(30) Priority: **12.10.2000 US 239267 P**

(43) Date of publication of application:
30.07.2003 Bulletin 2003/31

(73) Proprietor: **Cancer Research Technology Limited**
London EC1V 4AD (GB)

(72) Inventors:
• **STEVENS, Malcolm F. G., Cancer Research Labs**
Nottingham,
Nottinghamshire NG7 2RD (GB)
• **KELLAND, Lloyd Royston, CRC Centre Cancer**
Therap.
Sutton,
Surrey SM2 5NG (GB)
• **HEALD, Robert Andrew, Cancer Research Labs**
Nottingham,
Nottinghamshire NG7 2RD (GB)

(74) Representative: **Brasnett, Adrian Hugh et al**
Mewburn Ellis LLP
33 Gutter Lane
London
EC2V 8AS (GB)

(56) References cited:
• **STANSLAS, JOHNSON ET AL: "Antitumor**
Polycyclic Acridines. 7.Synthesis and Biological
Properties of DNA Affinic Tetra- and Pentacyclic
Acridines" JOURNAL OF MEDICINAL
CHEMISTRY (2000), 43(8), 1563-1572 ,
XP002201185 cited in the application
• **HAGAN D.J. ET AL: 'Antitumour polycyclic**
acridines. Part 3.1 A two-step conversion of 9-
azidoacridine to 7H-pyrido[4,3,2-kl]acridines by
Graebe?Ullmann thermolysis of substituted
9-(1,2,3-triazol-1-yl)acridines' J. CHEM. SOC.,
PERKIN TRANS. 1 no. 5, 01 January 1998,
CHEMICAL SOCIETY. LETCHWORTH, GB, pages
915 - 924, XP001193755

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

- HAGAN D.J. ET AL: 'Antitumour polycyclic acridines. Part 1. Synthesis of 7H-pyrido- and 8H-quinoleno-[4,3,2-k]acridines by Graebner-Ullmann thermolysis of 9-(1,2,3-triazol-1-yl)acridines: application of differential scanning calorimetry to predict optimum cyclisation conditions' J. CHEM. SOC., PERKIN TRANS. 1 01 January 1997, CHEMICAL SOCIETY. LETCHWORTH, GB, pages 2739 - 2746, XP002188534