

Title (en)  
1,5-DIAZABICYCLO(3.3.0)OCTADIENEDIONE DERIVATIVES, PREPARATION AND USE THEREOF AS FLUORESCENT LABELLING AGENTS.

Title (de)  
1,5-DIAZABICYCLO(3.3.0)OCTADIENDION-DERIVATE, DEREN HERSTELLUNG UND DEREN VERWENDUNG ALS FLUORESZIERENDE ETIKETTIERMITTEL.

Title (fr)  
DERIVES DU 1,5-DIAZABICYCLO(3.3.0)OCTADIENEDIONE, LEUR PREPARATION ET LEUR UTILISATION EN TANT QU'AGENTS DE MARQUAGE FLUORESCENT.

Publication  
**EP 0018991 A4 19810324 (EN)**

Application  
**EP 79901185 A 19800408**

Priority  
• US 6854479 A 19790827  
• US 93891878 A 19780905

Abstract (en)  
[origin: WO8000565A1] Compounds of the formulas. (FORMULA) wherein R is independently branched or straight chain C<u1>u-C<u4>u alkyl; R<u1>u is independently branched or straight chain C<u1>u-C<u4>u alkyl, phenyl or halo; R<u2>u is independently branched or straight chain C<u1>u-C<u17>u alkyl wherein at least one R<u2>u group has a bromo substituent on the carbon atom adjacent to the ring; and X is branched or straight chain C<u1>u-C<u17>u alkylene wherein the ring carbon and the quaternary nitrogen are attached to the same carbon atom are useful as chemical labeling agents which react readily with free sulfhydryl groups or primary amino groups to produce intensely fluorescent (when compounds I and III are used) and phosphorescent (when compounds II and IV are used) substances.

IPC 1-7  
**C07D 487/04**; **G01N 33/58**; **G01N 33/54**; **G01N 33/52**

IPC 8 full level  
**G01N 33/58** (2006.01); **C07D 231/20** (2006.01); **C07D 487/00** (2006.01); **C07D 498/04** (2006.01); **G01N 33/533** (2006.01)

CPC (source: EP)  
**C07D 231/20** (2013.01); **G01N 33/533** (2013.01)

Designated contracting state (EPC)  
CH DE FR GB

DOCDB simple family (publication)  
**WO 8000565 A1 19800403**; EP 0018991 A1 19801126; EP 0018991 A4 19810324; JP S55500638 A 19800911

DOCDB simple family (application)  
**US 7900685 W 19790904**; EP 79901185 A 19800408; JP 50153779 A 19790904