

Title (en)  
OPTIONALLY PROTECTED IRIDOID-DERIVED COMPOUNDS, COMPOSITION INCLUDING SAME, USE AS A DYE FOR KERATIN FIBRES AND DEVICES

Title (de)  
OPTIONAL GESCHÜTZTE VERBINDUNGEN AUS IRIDOID, ZUSAMMENSETZUNG DAMIT, VERWENDUNG ALS FÄRBEMITTEL FÜR KERATINFASERN UND VORRICHTUNGEN

Title (fr)  
COMPOSES DERIVES D'IRIDOIDES PROTEGES OU NON, COMPOSITION LES COMPRENANT, UTILISATION COMME COLORANT DES FIBRES KERATINIQUES ET DISPOSITIFS

Publication  
**EP 2978749 A1 20160203 (FR)**

Application  
**EP 14720181 A 20140328**

Priority  
• FR 1352888 A 20130329  
• FR 2014050739 W 20140328

Abstract (en)  
[origin: WO2014155016A1] The present invention relates to compounds of formula (I) and (II) below, in which R<sub>1</sub> and R<sup>1</sup> are -CH<sub>3</sub>; -CH<sub>2</sub>OZ; -CHO; -COOR<sub>10</sub>, R<sub>10</sub>: H, alkyl -CONR<sub>n</sub> R-12, Ru, R<sub>12</sub>: H, W, at least one of the radicals being other than H -CH<sub>2</sub>NR<sub>13</sub>R<sub>14</sub>, R<sub>13</sub>, R<sub>14</sub>: H, W, at least one of the radicals being other than H -COR<sub>15</sub>, R<sub>15</sub>: alkyl, R<sub>2</sub> and R<sup>2</sup> are H; -CH<sub>3</sub>; -CH<sub>2</sub>OZ; -COR<sub>20</sub>, R<sub>20</sub>: alkyl; -COOR<sub>21</sub>, R<sub>21</sub>: H, alkyl; -CONR<sub>22</sub>R<sub>23</sub>, R, R<sub>23</sub>: H, W, at least one of the two being other than H; -CH<sub>2</sub>NR<sub>24</sub>R<sub>25</sub>, R<sub>24</sub> and R<sub>25</sub>: H, W, at least one of the two being other than H; -C(OH)R<sub>26</sub>R<sub>27</sub>, R<sub>26</sub>, R<sub>27</sub>: non-substituted alkyl, phenyl, benzyl; R<sub>3</sub> and R<sup>3</sup> are: -OZ; -CH<sub>3</sub>; -NR<sub>31</sub> R<sub>32</sub>, R<sub>31</sub> and R<sub>32</sub>: H, W, at least one of the two being other than H; alkylthio; R<sup>3</sup> also optionally being H; R<sub>4</sub> and R<sup>4</sup> are H; an alkyl; a sugar unit; -COR<sub>40</sub>, R<sub>40</sub>: alkyl; -COOR<sub>41</sub> R<sub>41</sub>: alkyl; -CONR<sub>42</sub>R<sub>43</sub>, R<sub>42</sub>, R<sub>43</sub>: H, W; -Si(R<sub>44</sub>)<sub>3</sub> R<sub>44</sub>: alkyl; Z is H; alkyl; a sulphonate, alkyl sulphonate, phenyl sulphonate or alkylphenyl sulphonate group; a -COR<sub>z</sub> group with R<sub>z</sub>: alkyl, sugar unit; W is a hydrocarbon radical at CrC<sub>40</sub>, which is straight, branched and/or cyclic, saturated, unsaturated, aromatic or not, optionally substituted; and/or optionally interrupted by one or more heteroatoms and/or groups including same; n integer varies from 0 to 5. Exclusions from the formula (I): \* when R<sub>4</sub> is a sugar unit, an alkyl(d-C<sub>4</sub>)carbonyl, a mono- or di- alkyl(C<sub>1</sub>-C<sub>4</sub>)aminocarbonyl, then R<sub>2</sub> is not an alkoxy(d-C<sub>2</sub>)carbonyl, hydroxycarbonyl, -CH<sub>2</sub>OH, R<sub>2</sub> also is not H when R<sub>4</sub> is a sugar; \*\* when R<sub>4</sub> is H and R<sup>4</sup> is -CH<sub>3</sub>, -CH<sub>2</sub>OH, then R<sub>2</sub> is not H, -CH<sub>3</sub>, -COOH or -COOCH<sub>3</sub>. The invention also relates to a composition including such compounds as well as to a method for dyeing keratin fibres implementing same.

IPC 8 full level  
**C07D 311/94** (2006.01); **A61K 8/49** (2006.01); **A61Q 5/06** (2006.01)

CPC (source: CN EP)  
**A61K 8/498** (2013.01 - CN EP); **A61Q 5/065** (2013.01 - CN EP); **A61Q 5/10** (2013.01 - CN EP); **C07D 311/94** (2013.01 - CN EP)

Citation (search report)  
See references of WO 2014155016A1

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 2014155016 A1 20141002**; CN 105073723 A 20151118; EP 2978749 A1 20160203; FR 3003860 A1 20141003; FR 3003860 B1 20151127; KR 20150135793 A 20151203

DOCDB simple family (application)  
**FR 2014050739 W 20140328**; CN 201480019360 A 20140328; EP 14720181 A 20140328; FR 1352888 A 20130329; KR 20157031242 A 20140328