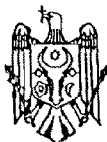


REPUBLICA MOLDOVA



(19) Agenția de Stat
pentru Proprietatea Intelectuală

(51) Int.Cl: C07D 223/16 (2006.01)

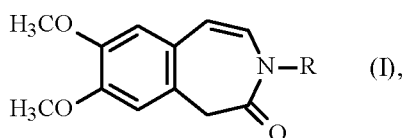
(12) CERERE DE BREVET DE INVENȚIE

(21) Nr. depozit: a 2014 0028 (22) Data depozit: 2014.03.20 (31) Nr.: 1352741 (32) Data: 2013.03.26 (33) Țara: FR (41) Data publicării cererii: 2014.09.30, BOPI nr. 9/2014	(13) A2
(71) Solicitant: LES LABORATOIRES SERVIER, FR (72) Inventator: LE FLOHIC Alexandre, FR (74) Mandatar autorizat: SIMANENKOVA Tatiana	

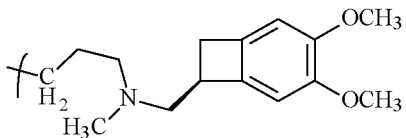
(54) Procedeu de sinteză a compușilor 7,8-dimetoxi-1,3-dihidro-2H-3-benzazepin-2-onei și aplicarea în sinteza ivabradinei

(57) Rezumat:

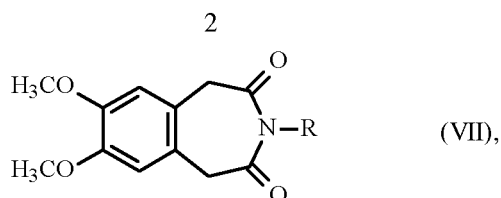
Invenția se referă la un procedeu de sinteză a compusului cu formula (I):



unde R reprezintă o grupă para-metoxibenzil (PMB) sau următoarea grupă:



conform căruia compusul cu formula (VII):



unde R este definit mai sus, este supus unei reacții de reducere, în prezența LiBH(Et)₃, într-un solvent organic, pentru a obține compusul cu formula (I).

Se aplică în sinteza ivabradinei și a sărurilor sale de adiție cu un acid farmaceutic acceptabil.

Revendicări: 11

Șef secție:

IUSTIN Viorel

Examinator:

LEVIȚCHI Svetlana

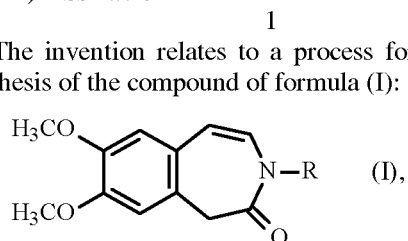
Redactor:

CANȚER Svetlana

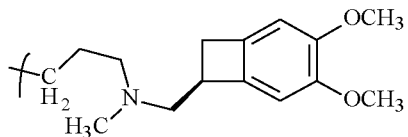
(54) Process for the synthesis of 7,8-dimethoxy-1,3-dihydro-2H-3-benzazepin-2-one compounds and application in the synthesis of ivabradine

(57) Abstract:

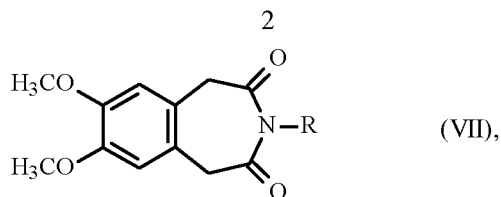
The invention relates to a process for the synthesis of the compound of formula (I):



wherein R represents a *para*-methoxybenzyl (PMB) group or the following group:



characterized in that the compound of formula (VII):



wherein R is as defined above, is subjected to a reduction reaction, in the presence of $\text{LiBH}(\text{Et})_3$, in an organic solvent to yield the compound of formula (I).

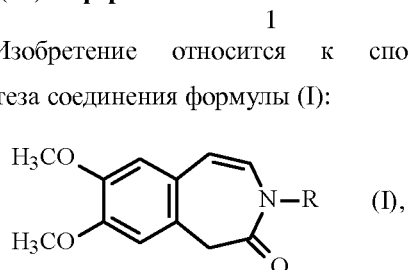
It is applied in the synthesis of ivabradine and addition salts thereof with a pharmaceutically acceptable acid.

Claims: 11

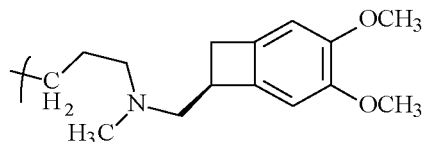
(54) Способ синтеза соединений 7,8-диметокси-1,3-дигидро-2H-3-бензазепин-2-она и применение в синтезе ивабрадина

(57) Реферат:

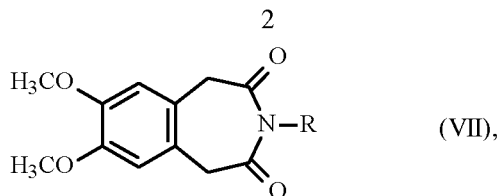
Изобретение относится к способу синтеза соединения формулы (I):



где R представляет группу пара-метоксibenзила (PMB) или следующую группу:



согласно которому соединение формулы (VII):



где R определено выше, подвержено реакции восстановления в присутствии $\text{LiBH}(\text{Et})_3$, в органическом растворителе, для получения соединения формулы (I).

Применяется для синтеза ивабрадина и его аддитивных солей с фармацевтически приемлемой кислотой.

П. формулы: 11