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=> b reg

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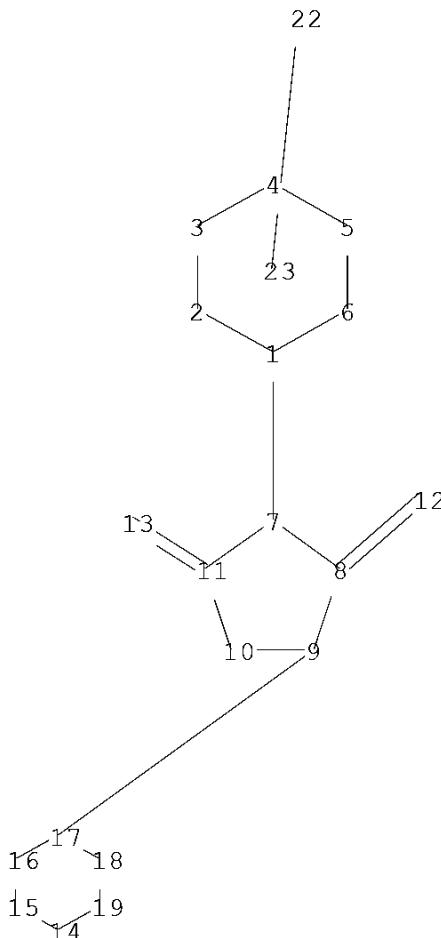
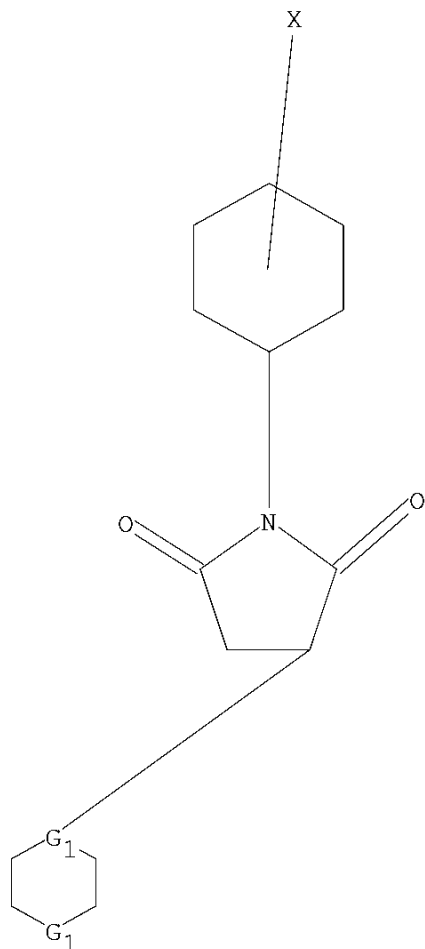
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chain nodes :

12 13 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 14 15 16 17 18 19

chain bonds :

1-7 8-12 9-17 11-13

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 14-15 14-19 15-16

16-17 17-18 18-19

exact/norm bonds :

1-2 1-6 1-7 2-3 3-4 4-5 5-6 7-8 7-11 8-9 8-12 9-10 9-17 10-11 11-13
14-15 14-19 15-16 16-17 17-18 18-19

G1:C,O,N

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 22:CLASS 23:CLASS

L1

STRUCTURE UPLOADED

```
=> s l1 sss full
FULL SEARCH INITIATED 12:20:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 74148 TO ITERATE
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100.0% PROCESSED      74148 ITERATIONS      3362 ANSWERS
SEARCH TIME: 00.00.01
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L2      3362 SEA SSS FUL L1
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=> b caplus
COST IN U.S. DOLLARS      SINCE FILE      TOTAL
                           ENTRY      SESSION
FULL ESTIMATED COST      342.00      342.34
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FILE COVERS 1907 - 4 Jan 2018 VOL 168 ISS 3
FILE LAST UPDATED: 3 Jan 2018 (20180103/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2015
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2015
```

CAplus includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2017.

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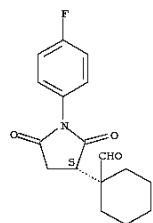
This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l2
L3      122 L2
```

```
=> s l3 and "RAD"
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      5635 "RADS"
      23111 "RAD"
      ("RAD" OR "RADS")
L4      0 L3 AND "RAD"
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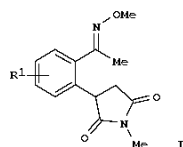
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=> d l3 ibib abs fhitstr tot
```

L3 ANSWER 1 OF 122 CAPLUS COPYRIGHT 2018 ACS on STN
 ACCESSION NUMBER: 2017:1734790 CAPLUS
 DOCUMENT NUMBER: 167:576607
 TITLE: Highly enantioselective Michael addition of α,α -disubstituted aldehydes to maleimides catalyzed by new primary amine-squaramide bifunctional organocatalysts
 AUTHOR(S): Ma, Zhi-wei; Liu, Xiao-feng; Liu, Jun-tao; Liu, Zhi-jing; Tao, Jing-chao
 CORPORATE SOURCE: Department of Fundamental Courses, No. 2 Yingcai Street, Huiji District, Henan University of Animal Husbandry and Economy, Henan, 450044, Peop. Rep. China
 SOURCE: Tetrahedron Letters (2017), 58(48), 4487-4490
 CODEN: TETLEA; ISSN: 0040-4039
 DIGITAL OBJECT ID: 10.1016/j.tetlet.2017.10.026
 PUBLISHER: Elsevier Ltd.
 DOCUMENT TYPE: Journal; (online computer file)
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 167:576607
 AB New bifunctional primary amine-squaramides catalyzed asym. Michael addition reaction of α,α -disubstituted aldehydes to maleimides has been developed. This organocatalytic asym. reaction provides easy access to functionalized succinimides with a broad substrate scope. Both enantiomers of desired succinimide derivs. were obtained in good to excellent yields (up to 98%) with excellent enantioselectivities (up to >99%ee).
 IT 1352335-27-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of succinimide derivs. via enantioselective Michael addition of α,α -disubstituted aldehydes to maleimides catalyzed by primary amine-squaramide bifunctional organocatalysts)
 RN 1352335-27-3 CAPLUS
 CN Cyclohexanecarboxaldehyde, 1-[(3S)-1-(4-fluorophenyl)-2,5-dioxo-3-pyrrolidinyl]- (CA INDEX NAME)
 Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS

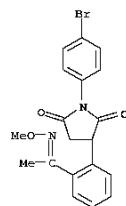
L3 ANSWER 2 OF 122 CAPLUS COPYRIGHT 2018 ACS on STN
 ACCESSION NUMBER: 2017:1583585 CAPLUS
 TITLE: Cobalt(III)-catalyzed 1,4-addition of C-H bonds of oximes to maleimides
 AUTHOR(S): Chen, Xiangxiang; Ren, Jiangtao; Xie, Hu; Sun, Wei; Sun, Meng; Wu, Biao
 CORPORATE SOURCE: Key Laboratory of Synthetic and Natural Functional Molecule Chemistry of Ministry of Education, Department of Chemistry
 & Materials Science, Northwest University, Xi'an, 710127, Peop. Rep. China
 SOURCE: Organic Chemistry Frontiers (2017) Ahead of Print
 CODEN: OCFRA8; ISSN: 2052-4129
 DIGITAL OBJECT ID: 10.1039/c7qo00687j
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB Oxime directed cobalt-catalyzed arene sp² C-H bond conjugation addition to maleimide was reported, the reaction showed great tolerance to different functional groups, and various succinimide derivs., e.g., I were efficiently produced. This protocol exhibited specific reactivity with only producing a mono-C-H bond addition product and no external base was needed, which suggested a unique reactivity of this Co-based catalytic system.
 IT 2151873-82-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (regioselective preparation of succinimide derivs. via cobalt-catalyzed 1,4-addition of C-H bonds of oximes to maleimides)
 RN 2151873-82-2 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-(4-bromophenyl)-3-[2-[1-(methoxymino)ethyl]phenyl]- (CA INDEX NAME)

L3 ANSWER 1 OF 122 CAPLUS COPYRIGHT 2018 ACS on STN (Continued)
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L3 ANSWER 2 OF 122 CAPLUS COPYRIGHT 2018 ACS on STN (Continued)



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