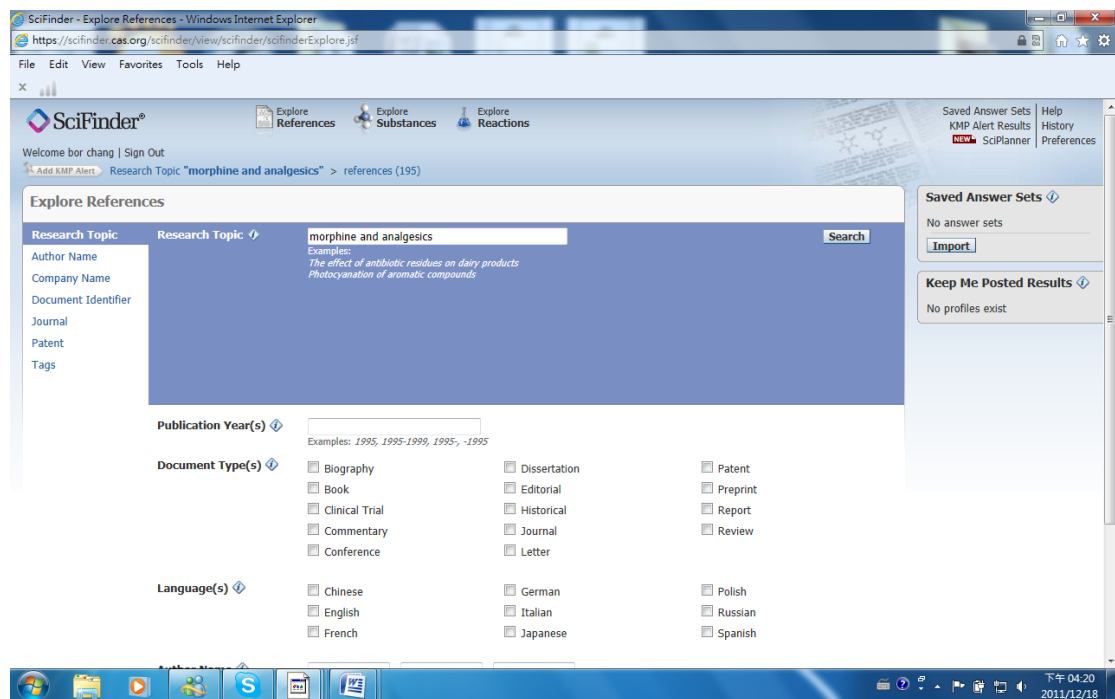


藥科二報告

B303098142

張博政

以學名藥 Morphine 查詢



Morphine 屬 Opium Alkaloids 類化合物，主要作為止痛作用

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Research Topic Candidates

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☐ 278957 references were found containing either the concept "morphine" or the concept "analgesics".	278957
☐ 94682 references were found containing the concept "morphine".	94682
☐ 220336 references were found containing the concept "analgesics".	220336

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analgesic effects of **morphine** were studied in patients undergoing arthroscopic knee procedures under local, regional, or general anesthesia. The review was performed on three issues: does **morphine** injected intraarticularly produce analgesia, is it a dose-dependent effect, and, if so...

Substances Reactions ~34 Citings Full Text Link 0 Comments 0 Tags

☐ 8. Efficacy and respiratory effects of low-dose spinal **morphine** for postoperative analgesia following knee arthroplasty
By Cole, P. J.; Craske, D. A.; Wheatley, R. G.
From British Journal of Anaesthesia (2000), 85(2), 233-237. Language: English, Database: CAPLUS
A randomized, double-blind study of 38 patients undergoing total knee replacement was undertaken to compare the efficacy and respiratory effects of low-dose spinal **morphine** and patient-controlled i.v. **morphine** against patient-controlled i.v. **morphine** alone. Patients received either **morphine** 0.3 mg or saline 0.3 mL with 0.5% heavy spinal bupivacaine 2-2.5 mL. Respiratory effects were measured continuously for 14 h postoperatively with an Edentec 3711 respiratory monitor. There was an improvement in pain relief in the intrathecal **morphine** group, with significantly lower median VAS pain scores...
Substances Reactions ~15 Citings Full Text Link 0 Comments 0 Tags

☒ 9. Pain intensity and side effects during titration of **morphine** to cancer patients using fixed schedule dose escalation
By Klepstad, P.; Kaasa, S.; Skauge, M.; Borchgrevink, P. C.
From Acta Anaesthesiologica Scandinavica (2000), 44(6), 656-664. Language: English, Database: CAPLUS
Considerable dose variations and frequent initial side effects have been postulated during start of **morphine** treatment to patients with pain caused by malignant disease. However, to our knowledge, only one previous study has reported EDs in **morphine** naive cancer patients and no prospective evaluation has compared symptoms before with symptoms during **morphine** titrn. We recruited 40 cancer patients with uncontrolled pain despite receiving codeine or dextropropoxyphen. Baseline data were obtained for two days before start of **morphine** titrn. using a fixed scheduled escalation of immediate-relea...
Substances Reactions ~13 Citings Full Text Link 0 Comments 0 Tags

☐ 10. Use of extracts of **Geranium** or **geraniin** or related compounds for preparation of non-**morphine** central **analgesics**
By Albert, Pascal; Dorfman, Pierre; Wajda-Dubos, Jean-Pierre
From PCT Int. Appl. (1999), WO 9934808 A1 19990715. Language: French, Database: CAPLUS
The invention concerns the use of aq. hydroalcoholic and acetone exts. of **Geranium**, and compds. (I, where R1, R2, R3, R4 = e.g., biphenyl derivs, R5 = galloyl) for prepn. of non-**morphine** central **analgesics**. Thus, geraniin was extd. from the exts. of **Geranium robert** leaves by extn. with ether, and then with EtOAc and purified by column chromatog. In the pharmacol. studies, the analgesic activity of geraniin was demonstrated in rats. Its reaction product with phenazine B had the activity superior to that of geraniin at 60 mg/kg.
Substances Reactions ~0 Citings Full Text Link 0 Comments 0 Tags

☐ 11. Preparation of cyclic peptides and their uses as **analgesics** acting on μ -opioid receptor
By Sasaki, Jun; Matsumura, Yasuhiro
From Jpn. Kokai Tokkyo Koho (1998), JP 10330398 A 19981215. Language: Japanese, Database: CAPLUS
The cyclic peptides I (X = direct bond, divalent amino acid residue, divalent peptide residue, hydrocarbylene which may be substituted with amino, carbonyl, etc., and have ether, thioether bond, etc.) or their salts are prepd. Drugs, prophylactic and therapeutic drugs against nerve diseases, and **analgesics** contg. I or their salts are also claimed. I are resistant to enzymic decompn. and show good hydrophilicity, thus being well absorbed in the body. Tyrosyl-prolyl-phenylalanyl-phenylalanine cyclic peptide was prepd. by a solid-phase method.
Substances Reactions ~0 Citings Full Text Link 0 Comments 0 Tags

☐ 12. Engineering pathways in *Escherichia coli* for the synthesis of **morphine** alkaloid **analgesics** and antitussives
By Halles, Anne M.; French, Christopher E.; Rathbone, Deborah A.; Bruce, Neil C.
From Annals of the New York Academy of Sciences (1996), 799(Enzyme Engineering XIII), 391-396. Language: English, Database: CAPLUS

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9. Pain intensity and side effects during titration of morphine to cancer patients using fixed schedule dose escalation

By: Klepstad, P.; Kaasa, S.; Skauge, M.; Borchgrevink, P. C.

Considerable dose variations and frequent initial side effects have been postulated during start of morphine treatment to patients with pain caused by malignant disease. However, to our knowledge, only one previous study has reported EDs in morphine naive cancer patients and no prospective evaluation has compared symptoms before with symptoms during morphine titration. We recruited 40 cancer patients with uncontrolled pain despite receiving codeine or dextropropoxyphen. Baseline data were obtained for two days before start of morphine titration, using a fixed scheduled escalation of immediate-release (IR) morphine. When a stable morphine dose was achieved, IR morphine was replaced with slow-release (SR) morphine in equiv. doses. Intensity of pain and side effects were assessed daily. The daily consumption of morphine, rescue analgesics and rescue antiemetics were registered. The mean titration time to achieve adequate analgesia was 2.3 days (range: 1-6) using a mean daily morphine dose of 97 mg (range: 60-180). Nausea was unaltered after start with morphine but an increased incidence of vomiting occurred (premorphine period 5%, IR morphine period 29%). Transient sedation delayed dose increment in 9 of the 40 patients but mean sedation scores were unaltered. Constipation scores increased while other side effect scores were unaltered. Eighty-two percent of the patients were satisfied or very satisfied with the pain treatment during introduction of morphine. In cancer patients with uncontrolled pain on weak opioids, successful titration of morphine is achieved fast, with a three-fold morphine dose variation and with little increase in side effects.

Indexing

Pharmacology (Section 1-11)

Section cross-reference(s): 2

Concepts

Analgesics Neoplasm

pain intensity and side effects during titrn. of morphine to cancer patients using

Substances

57-27-2 Morphine, biological studies

pain intensity and side effects during titrn. of morphine to cancer patients using fixed schedule dose escalation

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Source
Acta Anaesthesiologica Scandinavica
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Journal
2000
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Company/Organization
Department of Anesthesia and Medical Imaging
Norwegian University of Science and Technology
Trondheim, Norway

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CAPLUS

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結構和合成方法

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Search Value(s) 搜尋

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Explore Substances

Chemical Structure
Markush
Molecular Formula
Substance Identifier

Substance Identifier(s) morphine

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999815
Acetaminophen

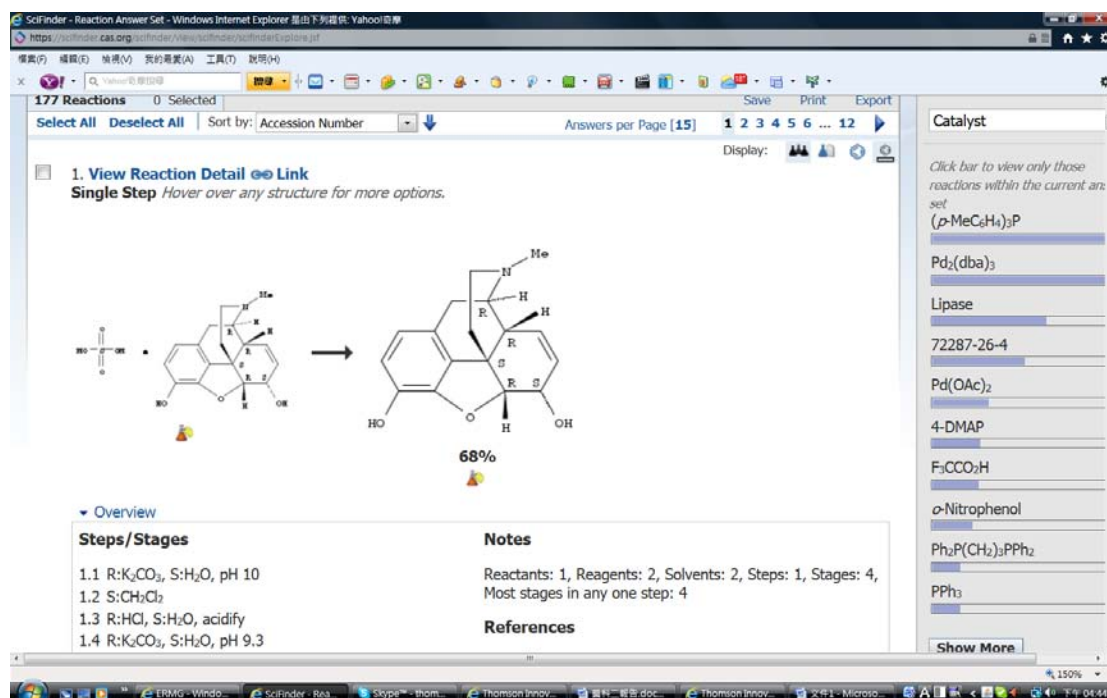
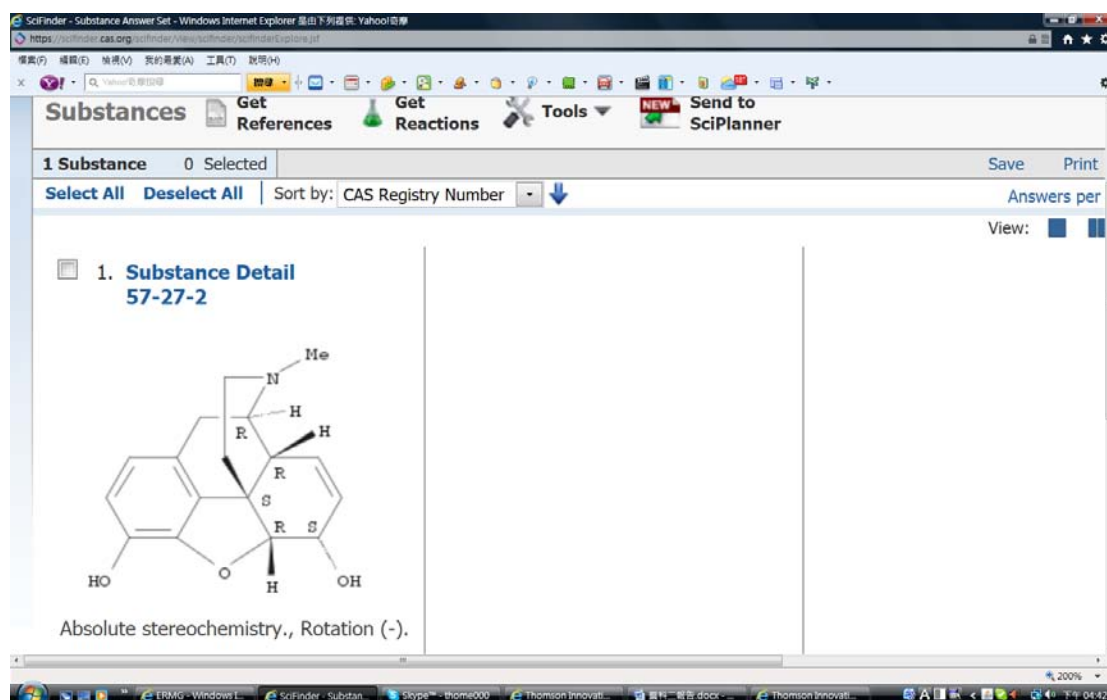
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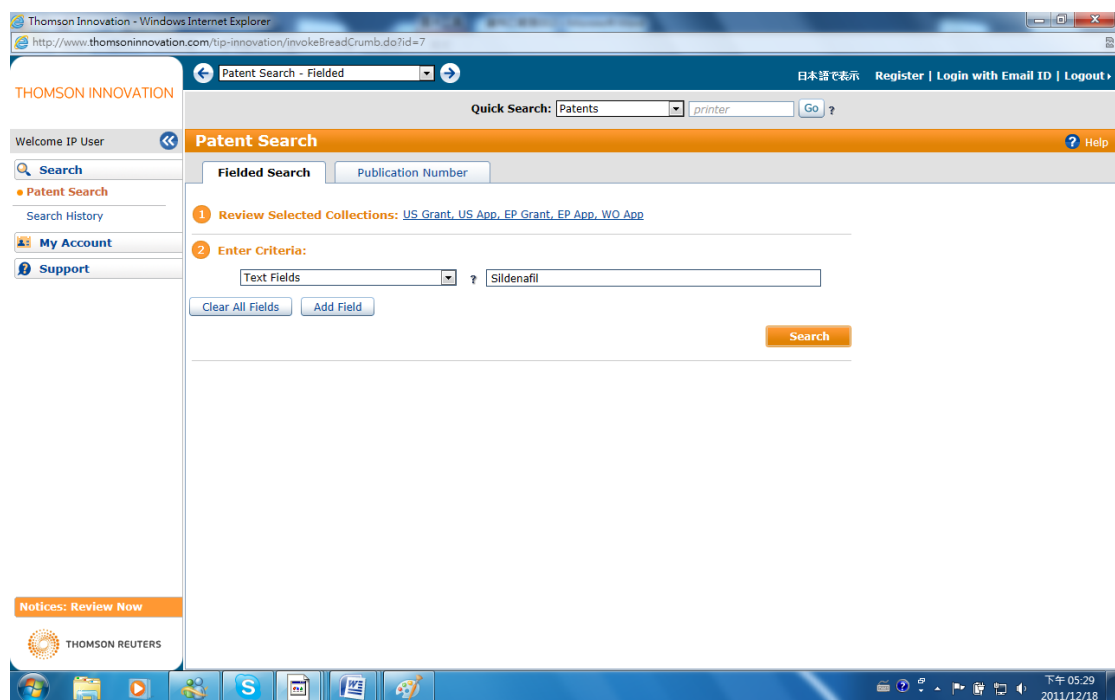
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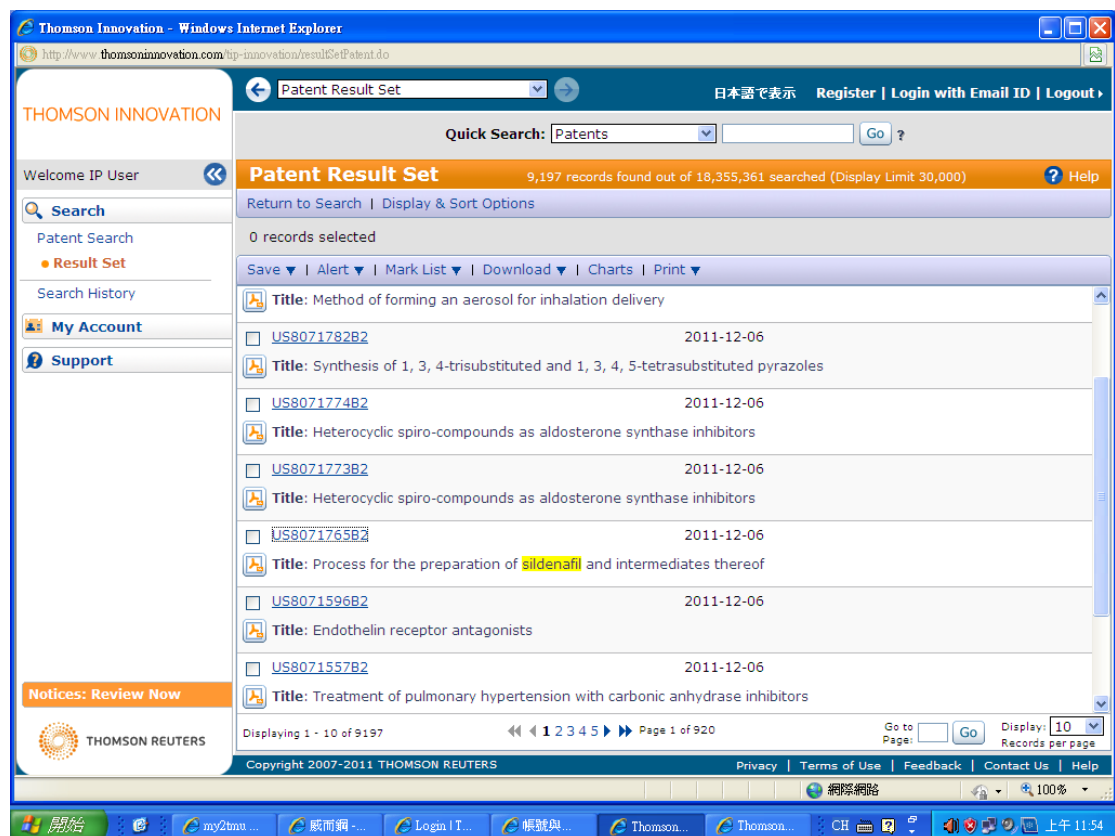
心得：

我覺得這個搜索平台，就好比是個百科全書資料庫，輸入你想要找的東西加上一些限定，然後得到你要的資料。以他的功能跟現今的維基百科做比較的話，他實在是強太多了，有時候維基百科還有些資料無法顯示，然而這個搜索平台，光是一個 **morphine** 的搜索就超過十筆資料，豈是維基百科所能敵的。感謝這次上課的老師，畢竟長那麼大以來，第一次學會使用一個專業的平台，讓自己步向專業人士更加進一步了。

專利平台的搜索：在這裡我以找尋男性的救星威而鋼(學名藥：**Sildenafil**)為例，大家都知道他是一種幫助男性維持勃起時間的藥物，殊不知連威而鋼的製作過程以及方法也是有專利的，最酷的是這個專利還是最近才申請到的!



專利編號：US8071765B2



內文

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Original Title ?

Process for the preparation of **sildenafil** and intermediates thereof

Abstract ?

The present invention discloses a process for preparing **sildenafil** and its intermediates having the structures outlined below:

In particular, the present invention provides a process for preparing the compound of formula (I) and its intermediates, i.e. the compounds of formula (I), (II), (III) and (IV). The compound of formula (I) is obtained from the compound of formula (II); the compound (II) is obtained from the compound of formula (III) and methylpiperazine; the compound (III) is obtained by treating the compound of formula (IV) with chlorosulfonic acid; the compound (IV) is obtained though treating the compound of formula (V) in the presence of at least one selected from POX₃, PX₃, PX₅ and their mixtures in any ratio. The process for preparing the compound of formula (I) according to the present invention reduces the side reactions in the processes of the prior art. These improvements lead to higher yields and a better industrial applicability with easier controlling of the reaction.

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專利平台其實是種工具，對我而言，搞不好以後會是我賺錢的工具，說不定以後的我有新藥的發明，或是新的製作方法等，我就可以上這個網站看看是不是有前人先開發過了以免空歡喜一場。