

Reaxys 收錄內容

- 收錄 5 億筆實驗數據資料 (約為同類型資料庫 100 倍)
- 1771 年起，收錄期刊及主要專利局文獻資料 5,200 萬筆 (約為同類型資料庫 1.3 倍)
- 可查詢 281 本期刊及專利全文中的合成材料方法

Reaxys 協助您從堆積如山的資料中找出化學反應、實驗數據與文獻

The diagram illustrates the search process. A magnifying glass is positioned over a stack of papers, with an arrow pointing to a chemical reaction. Below the stack, four question marks are shown above individual papers, representing the search process. The chemical reaction shows the synthesis of aspirin from salicylic acid and acetic anhydride. The search results table below shows various physical data points and associated literature references.

Yield	Conditions	Dissociation Exponent (gK)	Dissociation Group	Temp (D) Exp	Reference
90.8%	Stage #1: 3-(diethylamino) With O-(benzotriazol-1-yl)uronium tetrafluoroborate/nitrile at 20°C for 3h Stage #2: acetic acid In a Stage #3: acetic acid In d Experimental Procedure	3.48	RCOO-H	25	Lyophilized aspirin with trehalose may decrease the incidence of gastric injuries in healthy dogs Cited 1 times Lin, Lee-Shuan; Kayasuga, Yuko; Shimohata, Nobuyuki; +6 others - Journal of Veterinary Medical Science, 2012, vol. 74, # 11, p. 1511 - 1516 Abstract Index Terms Full Text
		3.47		25	Incidence of aspirin resistance in the patient group of a university hospital in Korea Cited 6 times Lee, Young Kyung; Kim, Han-Sung; Park, Ji-Young; +1 other - Korean Journal of Laboratory Medicine, 2008, vol. 28, # 4, p. 251 - 257 Abstract Index Terms Full Text
		3.55	COOH	37	Increased platelet expression of glycoprotein IIIa following aspirin treatment in aspirin-resistant but not aspirin-sensitive subjects Cited 3 times Floyd, Christopher N.; Goodman, Timothy; Becker, Silke; +7 others - British Journal of Clinical Pharmacology, 2014, vol. 78, # 2, p. 320 - 328 Abstract Index Terms Full Text
		3.6	COOH	25	

Reaxys 協助您查詢比較實驗數據

The screenshot shows the Reaxys search interface. The search query is "Isolation from Natural Product" with the filter "Cacao". The results show 64 substances, 26,662 documents, 5,263 reactions, and 763 targets. The interface includes options for "Limit To", "Exclude", and "Export". A "Hit Data - 1" section is highlighted, showing the chemical structure of 3,7-dihydro-1,3,7-trimethylxanthine (C₈H₁₀N₄O₂) and its associated data. The "Hit Data - 1" section also shows a reference: "und jungen Blaettern von Theobroma Cacao L." with a citation count of 129.

Reaxys 的 QueryBuilder 進階搜尋，可分類查詢超過 400 種數據，如物化特性、光譜、天然物物種來源等。

展開 Hit Data 瀏覽搜尋結果，表格中摘要重要數據與實驗條件，並在右側附上引用文獻、全文連結、引用次數等資訊。

Reaxys 協助您查詢比較合成方法

可用關鍵字或結構查詢

Search Reaxys
benzene to trityl chloride

Structure editor
Create structure template from name

28 Reactions
Reaction Query: as drawn
Edit in Query Builder Create Alert

Preview Results View Results

找到 28 個化學反應
Top 3 results
846654
預覽前 3 筆反應式

6 Conditions
Find Similar

查看反應條件
Reaction ID: 666286

80.1% Stage #1: tetrachloromethane With aluminum (III) chloride In Petroleum ether at 120 - 150°C; for 1h; Stage #2: benzene In Petroleum ether at 60°C; under 760.051 Torr; for 0.5h; Reagent/catalyst; Solvent; Temperature; Pressure; Microwave irradiation;

Qingdao XUE JIE ADDITIVES CO., Ltd., Li, Jianmin; Liu, Linxue - CN104086354, 2016, B
Location in patent: Paragraph 0019; 0020; 0021
Full Text Details Abstract

Experimental Procedure 查看專利與 281 種期刊全文中的材料方法

(1) in 500 ml with stirring, reflux condenser with a drying tube, thermometer into four flasks of 100 ml carbon tetrachloride, 13.3g (0.1mol) nonaqueous alchlor, stirring to dissolve the same, then adding 30.0g bentonite, stirring heating reflux for 30 min, then adding 200 ml of petroleum ether (120-150 °C), stirring 30 min. , The return device is a distillation device, boil off carbon tetrachloride, cooling to room temperature, filtering, drying to obtain the supported catalyst, the spare. (2) in 1500 ml with stirring, reflux condenser with a drying tube, in four flasks of the thermometer by adding 1000 ml anhydrous benzene, the above-mentioned catalyst, a pipeline-type microwave reactor, microwave irradiation, add 153.8g (1.0mol) carbon tetrachloride, setting the microwave power is 500W, microwave reactor in the reaction pressure is normal pressure, the reaction temperature is 60 °C, the frequency of the microwave is 2450 ±50MHz. Reaction 30 min, then lower the temperature, the filter catalyst (spare), the reaction liquid into the next step. (3) the last step of the catalyst concentration and crystallization reaction solution filtered crude, with petroleum ether is recrystallized to get 223.0g white crystal, yield 80.1percent.

Reaxys 可自動辨識反應關鍵字，例如：

- 產物名稱加上 preparation、Synthesis 等合成相關關鍵字
- 人名反應
- 起始物 to 產物

Reaxys 連線方式

Reaxys 化學資料庫全國學術版由科技部經費補助國研院科資中心 (STPI) 採購，免費提供給全國大專院校使用。

您可在校園 IP 範圍內直接連上網址 new.reaxys.com，或透過校外連線設定*，在家中遠端連線使用 Reaxys。

* 校外連線設定方法請洽各校圖書館

* 舊版 Reaxys 預計可使用至 2017.11.30

Reaxys 中文線上學習資源

Reaxys 中文學習平台
taiwan.elsevier.com/reaxyshelp

Reaxys 中文學習平台提供多元化線上學習資源，包括中文操作手冊、搜尋範例、教學短片、專業講座、線上測驗等等。

* 本平台支援手機及平板使用

Reaxys 資料庫也針對 30 人以上班級提供中英文現場教學課程，如有需求歡迎與我們聯繫。

聯絡人

Elsevier 生命科學解決方案經理

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