What's new in SciFinder^n?

Get actionable results with a streamlined new interface

- Search all reactions, substances and references at once.
- Combine text and structure in a single search.
- Live history lets you rerun past searches with a single click.
- Run multiple searches in parallel in different tabs.

Go straight to the chemistry in patents with PatentPak

- Patent chemistry is fully annotated with structures, nomenclature and more.
- CAS expert scientists have identified chemistry locations for you. Click on the 'PatentPak' and 'Viewer' buttons to reveal the chemistry that is usually obscure within patents.

CAS
A DIVISION OF THE
AMERICAN CHEMICAL SOCIETY

SciFinder^n
A CAS SOLUTION

Edit Drawing · Remove

→ Create Retrosynthesis Plan

Use SciFinder^n's Predictive Retrosynthesis Planner

• Automatically generate plans to known and novel compounds
• Easily organize and navigate alternative routes
• Quickly identify material suppliers
• Conveniently share plans with key stakeholders

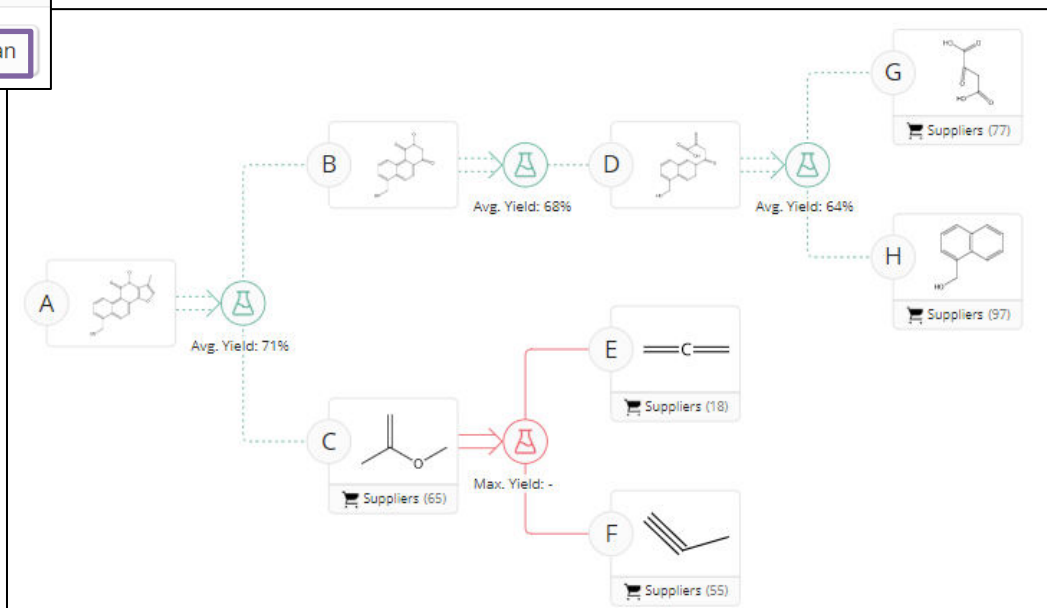### Overview | Steps

Step Key

⇒Ⓐ⇒ Experimental

⇒Ⓐ⇒ Predicted   ON

Plan Information

Estimated Yield: **31%**
Overall Price: **$2,072.69**
(USD per 100 grams)

Commercially Available:
C, E, F, G, H

A — Avg. Yield: 71%
B — D
Avg. Yield: 68% — Avg. Yield: 64%
G — Suppliers (77)
H — Suppliers (97)
C — Suppliers (65)
Max. Yield: -
E — Suppliers (18)
F — Suppliers (55)

Reactions (1,147)

Structure Match

As Drawn (19)
Substructure (16K)

Filter by
∨ Yield
∨ Number of Steps
∧ Experimental Protocols
☑ MethodsNow: Synthesis (1,147)
☐ Experimental Procedure (1,399)
∨ Reaction Type
∧ Stereochemistry
☑ Absolute Stereo Match (1,147)

View - Select -

References ▾   ⎙ ✉ ★ Save

Scheme 1 (1 Reaction) View

Steps: **1**
Yield: **88%**

Absolute stereochemistry show...

🛒 Suppliers (46)

☐ Reaction Summary

Reagents   Sodiu...
           Sodiu...

Catalysts -

Experimental Protocols

MethodsNow™ | Experimental Procedure

Products	1-Deoxy-4-O-α-D-glucopyranosyl-1-[(2-mercaptoethyl)amino]-D-glucitol , Yield: 88%
Reactants	Cysteamine hydrochloride / Melibiose
Reagents	Sodium hydroxide / Sodium cyanoborohydride
Solvents	Water
Procedure	1. Dissolve 2-aminoethanethiol hydrochloride (125 mg) in water (100 μL) in a screw-capped vial (airtight).
	2. Adjust the pH to ~ 7.5 (by adding aqueous NaOH solution).
	3. Add NaCNBH₃ (40 mg, 0.64 mmol) and a solution of sugar (0.04 mmol) in water (100 μL) to the mixture.
	4. Heat the reaction mixture at 90 °C with stirring.

MethodsNow provides step-by-step synthetic procedures

• Save time with procedures summarized
• Take step-by-step instructions directly to the lab

Formulations purpose Filter

- Use formulations purpose filter to locate hard to find formulations information

Formulation Purpose
- Fertilizers (8)
- Analgesics (7)
- Antiarthritics (7)
- ☑ Antirheumatic agents (7)
- Insecticides (6)
  View All

Database

Search Within Results

PATENTPAK ▼   Full Text ▼   ⬡ Substances (2)   △ Reactions (0)   ＂ Cited By (0)   ⊘ Citation Map

☐ 3

Powder for expelling wind and removing dampness

By: Dong, Yingkui; Cong, Me...
China, CN107308424 A 2017
View Reference Detail

divaricata 20g, Rubia cordifo
Cinnamomum cassia 10g, ar

Formulations

Traditional Chinese Medicine Composition: Anti-Hyperthermic Agent or Antirheumatic Agents

View **Formulus®** Detail ↗

Location:	claim 1
Purpose:	Antirheumatic agents
Target:	human, joint diseases, blood circulation

Component	Function	Amount Reported
Angelica pubescens	active agent	15 g
	active agent	10 g
	active agent	10 g
	active agent	10 g
		...xt

发明内容

[0010]　本发明的目的是提供一种用于祛风除湿的粉剂,其能有效的治疗由于风寒湿热诸邪入侵引发的关节疾病,疗效显著,中药配方,无副作用, 其加工方法细度可达到分子化,治疗方法简单可在家中及任何地方使用。

[0011]　本发明的技术方案是这样实现的:用于祛风除湿的粉剂,其特征在于配方按重量份数包括以下成分:

独活15g、当归15g、威灵仙15g、穿山龙40g、透骨草20g、木瓜20g、天麻10g、五加皮20g、羌活 10g、乳香10g、没药10g、续断10g、淫羊藿20g、镇阳20g、仙芽20g、楮实子10g、银杏叶15g、桑枝10g、伸筋草20g、透骨草10g、水蛭10g、地龙5g、黄连20g、防风20g、茜草10g、蕲蛇10g、芒虫10g、骨碎补15g、丹参10g、桂枝10g、鹿茸5g、肿节风10g、雷公藤5g、肉桂20g、麻黄

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★ ⟶ Migrate Saved Answers & Alerts (Keep Me Posted)

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- Watch training videos here: SciFinder^n training videos
- Visit CAS website for additional training materials.