

CAS FORMULUS® 検索ガイド

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目次

- CAS Formulus® の概要
- 配合検索の流れ
- 成分検索の流れ
- CAS SciFinder® との連携
- Formulation Designer

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CAS FORMULUS® の概要

3

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CAS Formulus の概要

製剤・配合・成分情報を効率的に検索

重点分野：

- 医薬品、農薬、化粧品

一部収録分野：

- コーティング剤、日用品、食品、材料

内容収録：

- 配合の構成成分や機能、形状、各成分の価格情報や規制情報

文献および医薬添付文書から製剤・配合の情報を抽出し、
項目ごとに整理してデータベース化



4

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CAS Formulus の概要

製剤・配合・成分情報を効率的に検索

成分検索

Paclitaxel

Key Physical Properties Value

Molecular Weight 853.91

Melting Point (Experimental) 213-216 °C

Commonly Used As: Antitumor agents; Antiproliferative Coating materials...

Commonly Formulated With | Regulatory Information

成分情報へのリンク

Get Formulations Suppliers Add to Formulation Designer

Commonly Used As

配合検索

Paclitaxel Nanocrystals: Drug Delivery or Anticancer--Controlled Release

Location: Article page 2, 4, Table 1

Purpose: Antitumor agents, Drug delivery systems

Target: Drugs, cancer cell growth

Physical Form: Nanocrystals

成分情報へのリンク

Component	Function	Reported
Paclitaxel	Antitumor agents	20 mg
Trastuzumab	Antitumor agents®	0.25 mg/mL

① Predicted value

CAS SciFinder との連携

Full Text View in CAS SciFinder®

成分検索

- 物質名や機能性のキーワードから検索
- 物性、配合中の用途、配合情報へのリンク
- CAS SciFinder の物質詳細へのリンク

配合検索

- 配合成分や用途、ターゲット等から検索
- 成分や機能など配合の詳細、成分情報へのリンク
- CAS SciFinder の出典文献へのリンク

CAS Formulus の概要

収録範囲

項目	内容
収録源	CAS SciFinder に収録の特許、雑誌論文、DailyMed 由来の医薬品添付文書
収録分野	重点分野: 医薬品、農薬、化粧品 一部収録分野: コーティング剤、日用品、食品、材料化学
レコード構成	製剤配合単位
収録期間	・英語の特許: 1996 年～ ・日本語、中国語、韓国語、ドイツ語、フランス語の特許: 2000 年～ ・雑誌論文: 2014 年～
規制情報の収録	FDA Orange Book of Approved Drugs FDA Generally Regarded as Safe (GRAS) PMDA Japanese Approved Drugs List EMA Excipients EU Active Substances in Pesticides List など

配合検索の流れ

7

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① アクセス

アクセス URL: <https://formulus.cas.org/>

CAS Formulus

Log in to Formulus

Username or Email Address

Can't log in?

Username (ID)、パスワードは
CAS SciFinder と共通

CAS SciFinder

CAS Formulus

References Suppliers

STN IP PROTECTION SUITE

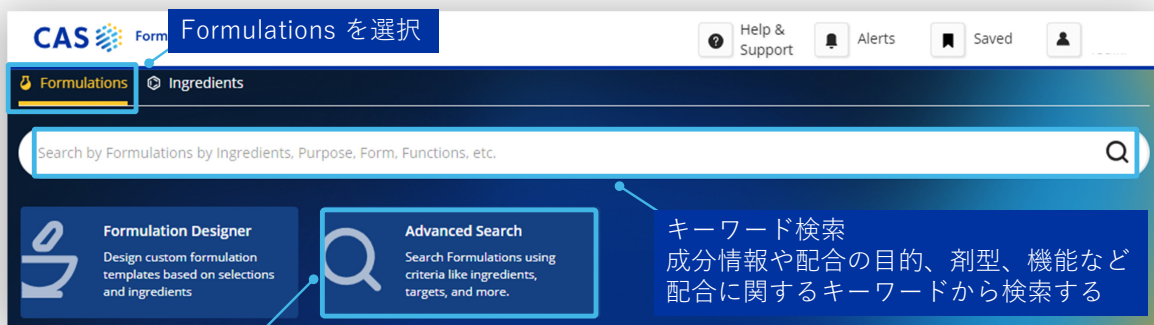
CAS SciFinder® から
アクセス可能

8

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② 検索の実行



詳細検索

演算子* を利用して成分や機能など複数の情報を組み合わせて検索

Advanced Formulations Search

Search For	Operator	Enter one term
Ingredient	Required	Celecoxib Ex: caffeine, sodium, 50-00-0
Function	Required	Anti-inflammatory Ex: binder, surfactant, carrier

[Add Another Term](#)

* 演算子の種類

Required : 必須

Optional : 任意

Excluded : 除外

9

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③ 検索結果

Formulations search for "+Ingredient:"Celecoxib" +Function:"Anti-inflammatory""

Get Additional References

2 Selected 28 Results

Sort: Relevance Group: By Family

1

Pharmaceutical Celecoxib Nanoparticles: Antiinflammatory Agents

Location: Example 1, Figure 1G, Sample DL
Purpose: Anti-inflammatory agents
Target: Homo sapiens, Pain
Physical Form: Particles

Component	Function	Amount Reported
Group: Additional ingredients	-	-
Celecoxib	Anti-inflammatory agents	10 % (w/w)
Group: Additional ingredients	-	-
Sorbitol	Formulation excipients	90 % (w/w)

View Formulation Detail

13 Similar Formulations - View All

Remove from Compare

PATENT

Novel formulation of meloxicam
Assignee: Fundacionuniversidad Norte
US20120141548
Language: English

Patent PDF View in CAS SciFinder

配合の分野、目的、剤型、収録情報、投与の経路、書誌情報などで絞り込みが可能 (複数選択可)

回答の保存、ダウンロード、共有、比較

回答の並べ替え、グループ化

出典文献を CAS SciFinder で確認

④ 配合の詳細へ

成分名・機能・用量などの配合情報

10

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④ 回答の詳細を表示 (1/2)

タイトル

製品情報

成分情報

類似配合情報

その他の情報
(配合のプロセス、有効量、
実験情報)

収録源
(書誌情報、配合の記載位置、
全文へのリンク、
CAS SciFinder へのリンク)

タイトル

Pharmaceutical Celecoxib Nanoparticles: Antiinflammatory Agents

目的、ターゲット、
投与の経路等の製品情報

Purpose	Target	Delivery Route	Physical Form
Anti-inflammatory agents	Homo sapiens, Pain	-	Particles

成分の名称、機能、
配合量等の成分情報

Formulation Ingredients			
Component	Function	Amount Reported	Optionality
Celecoxib	Anti-inflammatory agents	10 % (w/w)	Mandatory
Sorbitol	Formulation excipients	90 % (w/w)	Mandatory

類似配合情報

More Formulations like this...

Naproxen Containing Pharmaceutical Nanoparticle: Antiinflammatory Agents
Purpose: Anti-inflammatory agents
Target: Homo sapiens, Pain
Delivery Route: -
Physical Form: Particles

Naproxen Containing Pharmaceutical Nanoparticle: Antiinflammatory Agents
Purpose: Anti-inflammatory agents
Target: Homo sapiens, Pain
Delivery Route: -
Physical Form: Particles

Naproxen Containing Pharmaceutical Nanoparticle: Antiinflammatory Agents
Purpose: Anti-inflammatory agents
Target: Homo sapiens, Pain
Delivery Route: -
Physical Form: Particles

Naproxen Containing Pharmaceutical Nanoparticle: Antiinflammatory Agents
Purpose: Anti-inflammatory agents
Target: Homo sapiens, Pain
Delivery Route: -
Physical Form: Particles

11

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④ 回答の詳細を表示 (2/2)

タイトル

製品情報

成分情報

類似配合情報

その他の情報
(配合のプロセス、有効量、
実験情報)

収録源
(書誌情報、配合の記載位置、
全文へのリンク、
CAS SciFinder へのリンク)

配合のプロセス、
実験情報等の文献由来の情報

Process

celecoxib and sorbitol in a variety of formulations to obtain the pharmaceutical celecoxib nanoparticles

Experimental Activity

Descriptor	Notes	Details
particle size	particle size (D(5.0) μm) of the composition was examined.	16.031 μm
particle size	percentage of less than 2.0 μm sized particle present in the composition was examined.	0.8 %
yield		46 %

収録源

Source Patent

Novel formulation of meloxicam

Assignee: Fundacionuniversidad Del Norte
US20120141548
Language: English
Location: Example 1, Figure 1G, Sample DL

出典文献を
CAS SciFinder で確認

Patent PDF View in CAS SciFinder

12

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【参考】アラートの設定

検索した結果を保存する際にアラートを登録すると、設定した頻度で最新情報をメールで配信できる

Save Results and Set Alerts

Your Saved results can be found on the Saved page in CAS Formulus. You can change Alert frequency, edit, or rerun your search at any time.

Name
Pigment Red

Alert Frequency
☐ No Alerts ☒ Weekly ☐ Monthly

Save Cancel

アラートの結果の確認

アラートの配信頻度を設定する

13

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【参考】製剤・配合情報の比較

Formulations search for "+Ingredient:"Celecoxib" +Function:"Anti-inflammatory"

Get Additional References

② 最大 3 件の配合情報を表形式で出力する

Compare (2/3)

Sort: Relevance Group: By Family

2,697 Results

1

Pharmaceutical Composition Containing Antiinflammatory Agent for Treating and/or Preventing Inflammatory Condition in Milk-Producing Animal: Antiinflammatory Agents

Location: Claim 3, 4, 5, 16, 28, 29, 30, 31, 32, 33, 34, 40, 43, 44, 45, 46, 47, 50, 53, 55, 57, 60

Purpose: Anti-inflammatory agents

Target: Animals, Inflammation

Delivery Route: Infusion drug delivery systems

① 比較したい配合の Add to Compare をクリック

Add to Compare

14

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【参考】製剤・配合情報の比較（続き）

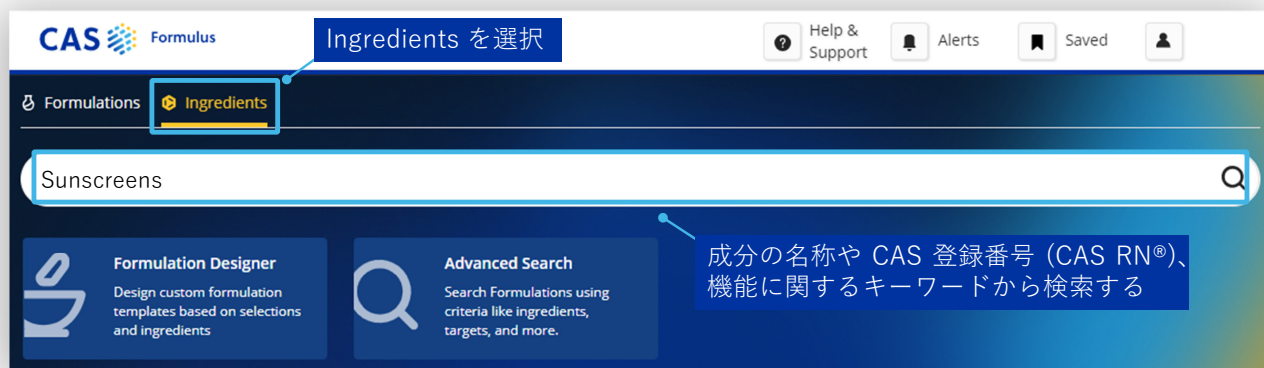
出力した表は PDF 形式で
ダウンロード可能

配合情報の各項目を
表形式で簡単に比較

Comparing your Formulations			
	Formulation 1	Formulation 2	Formulation 3
	Pharmaceutical Composition Containing Antiinflammatory Agent for Treating and/or Preventing Inflammatory Condition in Milk-Producing Animal: Antiinflammatory Agents	Antiinflammatory Composition: Antiinflammatory Agents	Pharmaceutical Formulation: Antiinflammatory Agents
Purpose	Anti-inflammatory agents	Anti-inflammatory agents	Anti-inflammatory agents
Target	Animals, Inflammation	Homo sapiens	Homo sapiens, Osteoarthritis, Rheumatoid arthritis
Delivery Route	Infusion drug delivery systems	-	-
Physical Form	-	-	Pharmaceutical injections
Experimental Activity	Not Available	Not Available	Not Available

成分検索の流れ

① 検索の実行



② 検索結果

The screenshot shows the search results for 'sunscreens'. The title is 'Ingredients search for "sunscreens"'. On the left, there is a 'Filter by' sidebar with various categories: Industry, Regulatory Information, Experimental Properties, Commercial Availability, and Toxicity/Ecological Toxicity. A blue box highlights the 'Regulatory Information' section with the text '配合の分野、規制、実測の物性、カタログ情報の有無、毒性情報で絞り込みが可能 (複数選択可)'. The main results area shows 1 Selected and 799 Results. The first result is for CAS RN: 70356-09-1, which is 2-Ethylhexyl salicylate. A blue box highlights the 'View Details' link with the text '③ 成分の詳細へ'. To the right of the result, there is a table with columns 'Value' and 'Condition'. The table contains the following data:

Value	Condition
Molecular Weight	310.39
Melting Point (Experimental)	83.5 °C

Below the table, there is a section 'Commonly Used As: Sunscreens; UV absorbers; UV stabilizers; Stabilizing agents; Filters...'. At the bottom, there is a section 'Commonly Formulated With: Regulatory Information | Experimental Properties'. A blue box at the top right of the results area contains the text '回答の保存、ダウンロード、共有'.

③ 成分の詳細を表示

基本情報
(CAS RN、構造図、分子式、基本物性値など)

成分の一般的な用途

この成分とよく配合される他の成分

毒性情報

規制情報

実測物性値

化学物質名

Ingredient Detail (1 of 799)

Download Save

回答の保存、ダウンロード

CAS RN: 70356-09-1

Chemical structure of Avobenzene

View in CAS SciFinder

Get Formulations

Avobenzene

Key Physical Properties	Value
Molecular Weight	310.39
Melting Point (Experimental)	83.5 °C

Commonly Used As: Sunscreens UV absorbers UV stabilizers Stabilizing agents Filters...

Commonly Formulated With Regulatory Information Experimental Properties

Get Suppliers

Add to Formulation Designer

Commonly Used As

Commonly Formulated With

Toxicity

Ecological Toxicity

Regulatory Information

Experimental Properties

Other Names

物質の詳細情報をCAS SciFinderで表示

この成分を使った配合を検索する

19

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CAS SCIFINDER® との連携

20

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CAS SciFinder で製剤・配合情報を確認

① CAS SciFinder で文献を検索し、配合情報が収録されている回答に限定する

CAS Formulus に
配合情報が収録
されている文献に
限定できる

配合の目的で限定
ができる

TSUKI (atsuki@ajci.or.jp) がサインインしています

2

Publication name

Concept

CA Section

CAS Solutions

Formulus (3,541)

Bioactivity Data

Formulation Purpose

Sunscreens (3,541)

Cosmetics and Personal care products (2,296)

Shampoos (730)

Skin conditioners (704)

Lipsticks (455)

View All

Database

Filter Content Report

Download filter data from this result set.

Photostable **sunscreen** compositions containing dibenzoylmethane derivative and polyesters of naphthalenedicarboxylic acid

Assignee: The C.P. Hall Company
United States, US5993789 A 1999-11-30 | Language: English, Database: Caplus

A **sunscreen** composition containing a UVA dibenzoylmethane derivative such as 4-(1,1-dimethylethyl)-4'-methoxydibenzoylmethane (Parsol 1789), and polyester stabilizers (from naphthalenedicarboxylic acids) for the dibenzoylmethane derivative. These polyesters are quite effective in stabilizing the dibenzoylmethane derivative UVA filter compounds making them effective for longer periods of time. The photostabilizing effect of a polyester from 2,6-naphthalene dicarboxylic acid, tripropylene ethyl, and diethylene ethyl with a 2-ethylhexanol terminator was compared to octocrylene, a known photostab.

View More

PatentPak Full Text Substances (4) Reactions (0) Citing (33) Citation Map

3

Combination **sunscreen** and insect repellent

Assignee: Littlepoint Corp.
United States, US5575988 A 1996-11-19 | Language: English, Database: Caplus

A combination **sunscreen** and insect repellent which is free of organic chem. **sunscreens** is disclosed. The composition contains an inorganic micronized inorganic substance and DEET. The **sunscreen**/insect repellent formulations described herein permit high loadings of inorganic **sunscreen** for improved performance. The composition can be applied topically as a lotion or **cream**.

PatentPak Full Text Substances (3) Reactions (0) Citing (9) Citation Map

4

Water-resistant **sunscreen** and insect repellent composition

21

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CAS SciFinder で製剤・配合情報を確認

② Formulations のタブで配合情報が確認できる

Combination **sunscreen** and insect repellent

3 0 9 Citation Map

In this Reference

- IPC Data
- CAS Concepts
- Substances
- Formulations
- Cited Documents

By: Knowles, John H., Jr.; Niles, John C.

A combination **sunscreen** and insect repellent which is free of organic chem. **sunscreens** is disclosed. The composition contains an inorganic micronized inorganic substance and DEET. The **sunscreen**/insect repellent formulations described herein permit high loadings of inorganic **sunscreen** for improved performance. The composition can be applied topically as a lotion or **cream**.

Keywords: **sunscreen** insect repellent combination

PatentPak PDF Get Prior Art Analysis Full Text

Formulations

Insect Repellent/Sunscreen Composition

View CAS Formulus® Detail

Location: Claim 4, 5, 6

Purpose: Insect repellents, Sunscreens

Component	Function	Amount Reported
Group: Sunscreens	active agent, sunscreen agent	0.5-30 % by weight
N,N-Diethyl-m-tolamide	insect repellents	0.5-95 % by weight
Agrochemical carriers	carrier	-

CAS Formulus で配合の
詳細が確認できる

22

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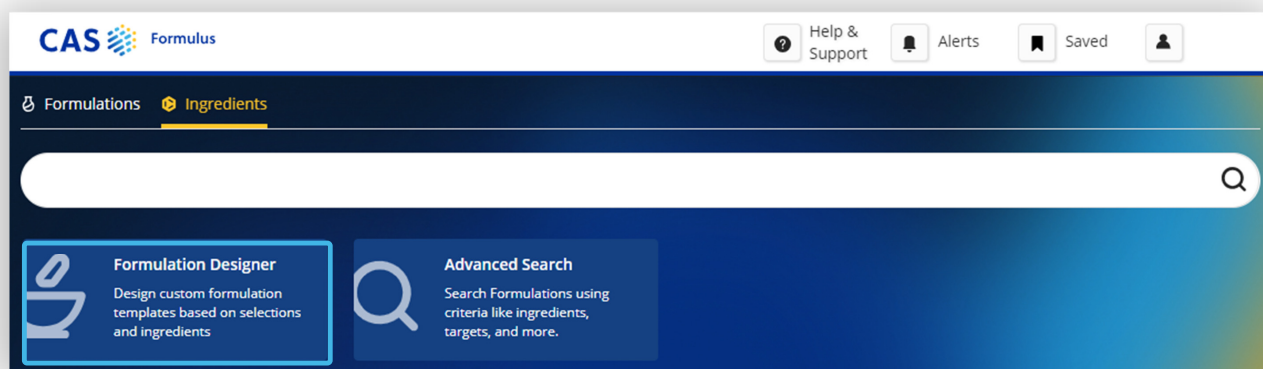
FORMULATION DESIGNER

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配合テンプレートの作成

① ホーム画面の Formulation Designer を選択する



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配合テンプレートの作成

② 産業分野、目的、形状、成分を入力する

Formulation Designer Clear All Selections

Industry	Purpose	Physical Form	Add up to 5 Ingredients
Pharmaceutical	Cosmetics and Personal care products	Cream preparations	Avobenzene
Cosmetics & Personal Care	Skin conditioners	Emulsions	56-81-5
Agrochemical	Sunscreens	Cosmetic lotions	+ Add Another Ingredient
Cleaning & Surfactant Products	Hair dyes	Oil-in-water emulsions	
Inks, Paints, & Coatings	Hair preparations	Sprays	
Food & Related	Antiperspirants	Water-in-oil emulsions	
	Cleaning compositions	Liquids	
	Skin cleansers	Powders	
	Oral hygiene products	Lipsticks	
	Skin-lightening cosmetics	Cosmetic gels	
	- View More Purposes -	- View More Physical Forms -	

Create Template

25

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配合テンプレートの作成

③ 配合テンプレートが作成される

Formulation Designer Clear All Selections

Industry	Purpose	Physical Form	Active or Featured Ingredient
Cosmetics & Personal Care	Sunscreens	Cosmetic lotions	Avobenzene 56-81-5

Edit Selections **Save** **Download**

Your Template Unit Size mg Go Clear

Function	Ingredient	Regulatory Lists	Top Alternatives	Amounts
Active or Featured Ingredient:	Avobenzene	Cosing: Cosmetic Ingredient Inventory; Drug Master File List; EPA Pesticide Inactive Ingredients	-	Amount not available
Active or Featured Ingredient:	Glycerol	ANMAT; Cosing: Cosmetic Ingredient Inventory; Drug Master File List; EMA Excipients List; EPA Pesticide Inactive Ingredients; EPA Safer Chemical Ingredients; FDA GRAS (Part 182, Subpart A); FDA GRAS (Part 182, Subpart B); FDA Inactive Ingredients Database; NMPA	-	Amount not available
Solvents	Benzyl alcohol View More Alternatives	Cosing: Cosmetic Ingredient Inventory; Drug Master File List; EMA Excipients List; EPA Pesticide Inactive Ingredients; EPA Safer Chemical Ingredients; FDA Inactive Ingredients Database; FDA Orange Book	Hexylene glycol; 1,3- Butanediol; Propylene carbonate; Isopropyl myristate; 1,5-Pentanediol	Approximately 1%

② で指定した条件

テンプレートの保存、ダウンロード

機能、成分、規制情報、代替成分、配合量をまとめたテンプレートが作成される

26

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