

What is PatSnap Chemical?

Chemical technology encompasses a wide field of study, covering areas including, petrochemicals, pharmaceuticals, cosmetics, material science, ingredients and more. **Chemical by PatSnap** enables exact and similar structure, substructure, and superstructure searches. It combines these with PatSnap's comprehensive global patent coverage, which includes full-text coverage for more than 60 countries. It enables users to augment searches with a wealth of additional knowledge, including legal and litigation data, licensing and grant information, latest scientific research, as well as relevant company information.

FTO Searching for Generic Pharmaceuticals

To start, it is important to **identify the relevant active ingredient or drug (1)**, then begin searching for similar compounds. This can be done in PatSnap via numerous [recognized labels](#) that these structures have.

Input substance identifier or import structure image
+ Input CAS Registry Number/chemical name/molecular formula/SMILES etc

ADDITIONAL REFINEMENTS

Add patent keyword:
Title/Abstract/Claims/Description
+ Input keyword to narrow down your search range

Show me structures extracted using
 Manual Curation
 AI Model
 Title / Abstract / Claims
 Description (Including Examples)
 Other Sources

Search this structure in: How should I use these?
Structure Markush
 Exact
 Similarity 0.6
 Substructure
 Superstructure
 Formulation

All Countries Preferences

Search Patents Search Structures

sitagliptin / 1,2,4-triazolo[4,3-a]pyrazine, 7-[[3(r)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydr...
486460-32-6; (3r)-3-amino-1-[3-(trifluoromethyl)-5h,6h,7h,8h-[1,2,4]triazolo[4,3-... 34,254 total patents 2,490 total papers

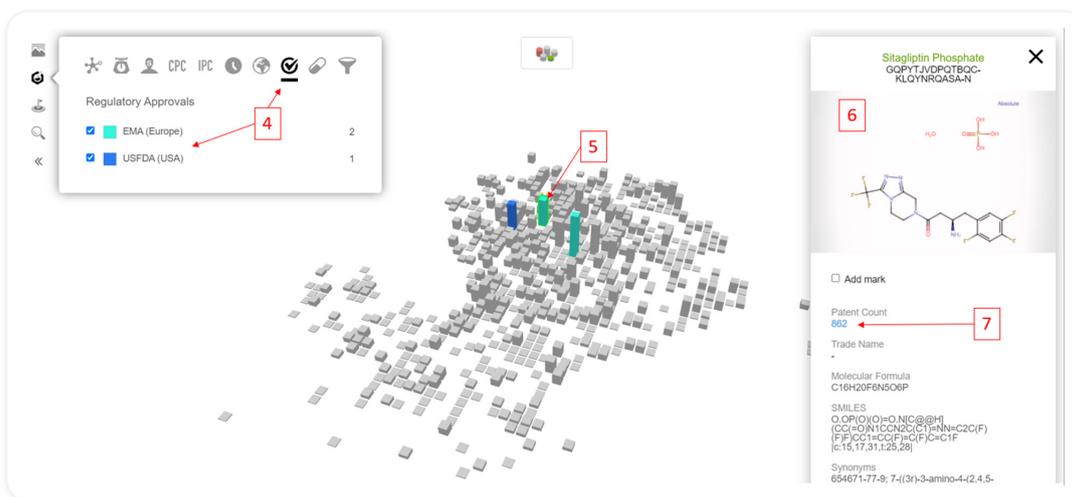
Once the structure of interest is identified, the next step is to **define the scope of the search (2)**. Looking for similar structures requires the selection of Similarity Search, as well as an allowed variation in the [Tanimoto Scale](#). Varying by application, looking for similar compounds can be achieved by **clicking Search Structures (3)**.

Once a list of pertinent structures is identified, the results can be viewed in the Chemical Landscape (**Chemscape**) to gain a strategic perspective of the compounds of interest. The Chemscape shows the structures from the initial search results, organized in proximity to each other based on the Tanimoto Scoring scale as well more advanced metrics defined by [Chemical Hashed Fingerprints](#).

Search by keyword for your technology or invention, or filter by clinical, regulation and structure information. Refine Search View Patents

7,703 structure(s) in total Create Alert Export Save to LabBench Analysis Chemscape Similarity 0.6 Similarity

Once in Chemscape, navigate to find structures associated with pre-standing **regulatory approvals (4)**. The highlighted columns reflect the structures with the associated selected approvals – **clicking on one (5)** will bring up a pop-up window on the right of the screen with **information regarding that selected structure (6)**. The number of patents associated with the structure is hyperlinked, and **clicking on it (7)** will lead directly to the patent results page.



Once on the results page, **filter** the gathered results to show **Active/Pending (8)** patents and those with family representation in our **jurisdictions of interest (9)**. Additionally, it is also possible to identify relevant patent documents by further refining using keywords through searches in the claims (CLMS) or title/abstract/claims (TAC).

Publication Number	Title	Standardized Current Assignee	Legal Status & Events	Publication Date	PatSnap Family Jurisdiction
1 • CN113149991A	Synthesis method of westernmarine travel alkali and wisher phosphate hydrate	ZHEJIANG MENOVO PHARMA 浙江美诺华药业有限公司	Published	23 Jul 2021	China
2 • IN20190403950A	New solid forms of sitagliptin	ALPARIS S.A DE	Granted	15 Jun 2018	India
3 • US10301316B2	Solid forms of sitagliptin	ALPARIS S A DE	Granted	28 May 2019	Spain, Mexico, United States
4 • IN352350B	Process for the preparation of sitagliptin, its pharmaceutically acceptable salts or hydrates thereof	JUBILANT GENERICS	Granted	26 Nov 2020	India
5 • CN1105651373A	Preparation method of Sitagliptin phosphate monohydrate crystal form	JIANGSU RUIKE MEDICAL SCI & TECH CO LTD	Examining	19 Apr 2019	China
6 • CN103483090A	Preparation method of sitagliptin metformin hydrochloride compound preparation	HYBIO PHARMA	Rejected	25 Dec 2013	China
7 • US9409912B2	Process for the preparation of sitagliptin phosphate	CADILA HEALTHCARE	Granted	09 Aug 2016	India, United States
8 • EP2809316A1	Synergistic combination comprising a meglitinide derivative and ipico acid	BILGIC IMAHMIT	Withdrawn	10 Dec 2014	WIPO, EPO
9 • CN105074553B	Pharmaceutical composition containing sitagliptin and metformin	HANGZHOU ZHONGMEI HUADONG PHARMA	Granted, Transfer	22 Feb 2019	China
10 • US20160367552A1	Pharmaceutical compositions of sitagliptin	CADILA HEALTHCARE	Granted	22 Dec 2016	United States, India

Once the list of results has been gathered, the patents can be read through, and the use of the **Structure Assistant** within the patent view will allow users to directly identify where the selected molecule is being referenced throughout the patent text.

Get in touch:

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