



Software

Orbit chemistry

Orbit Chemistry - Indexation

- Molecules readily extracted every time a patent enters our database → No delay
- Orbit Chemistry **indexes** :
 - Common names (e.g. Toluene, Aspirin)
 - Drug names (e.g. Paracetamol, Doliprane)
 - Acronyms (e.g. ATP for "Adenosine Triphosphate")
 - IUPAC names
 - CAS numbers
 - Molecules drawings (images for US, WO, EP and JP after 2007 and MOL files for US, also starting from 2007)
- Orbit Chemistry allows to **search***:
 - SMILES

*not indexed but translated to IUPAC name by the system.



Orbit chemistry – Geographic coverage

Geographic coverage*

Extraction from full texts in English (description and examples included):

US, EP, CA, GB, IL, WO, AU, IN

And from machine translation:

CN, DE, FR, JP, KR

*Same coverage as concepts' extraction





Chemistry module

Fully integrated to advanced search


Easy combination with applicants' names, legal states and keywords...


▲ Molecules

and  a


and  a


▲ Names

Inventor: 

Representative: 

▲ Numbers, dates & country



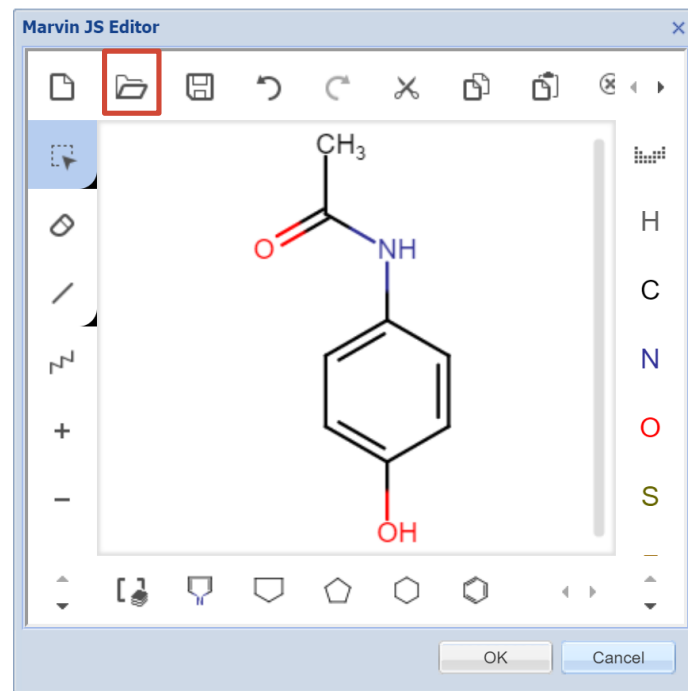
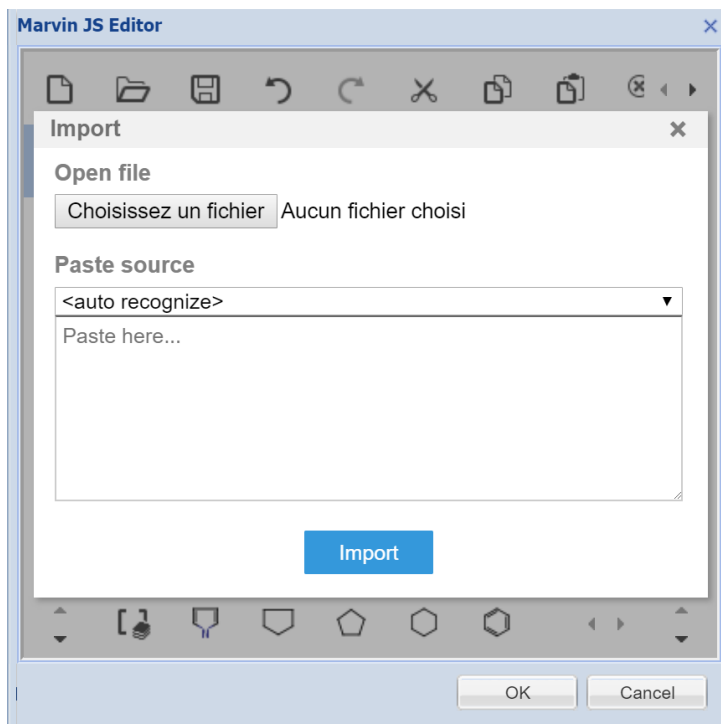
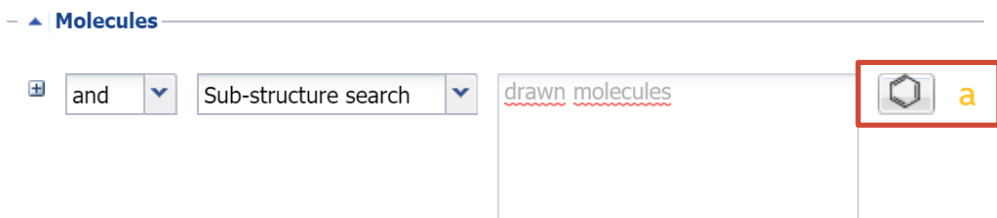
Date: 

Patents published in (patent authorities):



Chemistry module

Draw or import easily molecules you receive from your researchers



Useful link to download mol files:

<http://www.ebi.ac.uk/chebi/>

<https://www.drugbank.ca/>



Chemistry module

Easy combination of your search steps

Exact search

Eraser all Save entire strategy Create a script Export

Menu Explorer << Patent family searches (FamPat)

Search Step	Result(s)	Query	Assistant	Source	Action
5	28	2 NOT 3	Search history	FAMPAT	Show results
4	43	<Molecule search> AND ((PFIZER)/PA/OPA) AND PRD >= 2015	Advanced search	FAMPAT	Show results
3	5738	<Molecule search> AND PRD >= 2015	Advanced search	FAMPAT	Show results
2	5766	<Molecule search> AND PRD >= 2015	Advanced search	FAMPAT	Show results
1	21827	<Molecule search>	Advanced search	FAMPAT	Show results

Combine strategies, E.g.: (1 or 2) not 3, 1 and (phone+)

Searches

- Easy search
- Advanced search
- Semantic search
- Assignee search
- Number search

My session

- Search history
- Search results
- Console

Past sessions

- Previous history

Sub-structure search

28 results for 2 NOT 3 - Collection: FAMPAT

#	Title	Publication number	1st App. date	Applicant/Assignee	Relevance
1	Method for treating cancer using a combination of dna damaging agents and atr inhibitors	WO2017059357	2016-09-30	VERTEX PHAR...	High
2	Methods and compositions for anticancer therapies that target mena protein isoforms kinases	WO2018/009896	2017-07-07	METASTAT*	Medium
3	Targeted liposomal gemcitabine compositions and methods thereof	WO2017192863	2017-05-04	L E A F HOLDI...	Medium
4	Compositions and formulations including cabazitaxel and human serum albumin	WO2017123760	2017-01-12	SUN QUN	Medium
5	Acetylenedicarboxyl linkers and their uses in specific conjugation of a cell-binding molecule	US2015322155	2015-07-15	SUZHOU M CO...	Medium
6	Disulfur bridge linkers for conjugation of a cell-binding molecule	US2015314017	2015-07-15	SUZHOU M CO...	Medium
7	Process for preparing amorphous cabazitaxel	EP2938605	2013-12-18	SHILPA MEDIC...	Medium

Method for treating cancer using a combination of dna damaging agents and atr inhibitors

Molecule Id

(WO201759357)
CABAZITAXEL
PENTOSTATIN/PENTOSTATIN
CLOFARABINE/CLOFARABINE
TRIAZENES/TRIAZENES
IFOSFAMIDE
PYRIDYL
CYTARABINE/CYTARABINE
LOMUSTINE
PREDNIMUSTINE
AZIRIDINES/AZIRIDINES
NIMUSTI(...)

Priority Date

2015-09-30
2015-11-05
2016-01-26
2016-03-03
2016-04-15
2016-06-03



Cabazitaxel is investigated recently

Chemistry module

Molecules combination possible

Easy review thanks to highlighting feature

— Molecules

- and Sub-structure search aspirin
- and Exact search acetaminophen
- and Exact search ibuprofen
- and Exact search E.g.: acetaminophen



Preview Image Claims Key content Fulltext Kwic Citations

Translate

sodium starch glycolate.

4. A process as claimed in any one of claims 1 to 3 in which the dispersion additionally contains colloidal silica.
5. A process as claimed in claim 1 in which the spray dried dispersion consists essentially of about 10 to about 90% by weight **ibuprofen**, about 1.5% to about 6% by weight of a disintegrant selected from the group consisting of croscopovidone, croscarmellose sodium and sodium starch glycolate, about 8% to about 15% by weight pregelatinized starch and about 0.2% to about 2% by weight of a wetting agent selected from the group consisting of a polyvinylpyrrolidone and sodium lauryl sulfate.
6. A process as claimed in claim 5 which additionally contains about 0.1% to about 0.35% by weight of colloidal silica.
7. A process for preparing a coated compressed tablet containing **ibuprofen** characterised in that the product of the process claimed in any one of claims 1 to 6 is incorporated as the **ibuprofen** component.
8. A process as claimed in claim 7 wherein the tablet is a sugar coated compressed tablet.

Description
(EP-298666)

The invention relates to spray dried compositions comprising agglomerates of **ibuprofen** in a gelatinous starch matrix and to a method for manufacture thereof.

The commercial analgesic, **aspirin**, can be dry-mixed with starch and is then directly compressed into tablets. The commercial analgesic **acetaminophen**, on the other hand, cannot be similarly dry mixed with starch but must be further processed such as, for example, by wet granulation; by drying **acetaminophen** with pre-gelatinized starch as described in European Pat. Appln. EP 40,472 fluidizing **acetaminophen** and cross-linked sodium carboxymethyl cellulose in hot air, pulverizing the mixture with pregelatinized starch paste, and drying as described in Fr. Demande FR 2,496,461.

The commercial analgesic **ibuprofen** is also different from **aspirin** in that it cannot be dry-mixed with starch and directly compressed into tablets. The spray dried compositions of **ibuprofen** tablets have been prepared from **ibuprofen** with lubricants and disintegrating agents and by a wet granulation process and are characterized by a high disintegration rate. A dry granulation process is described in U.S. Pat. 4,609,491.

The present invention provides a method for the preparation of **ibuprofen** tablets which is directly compressible and which simplifies the production of tablets to a simple granulation process. The spray dried compositions and the resulting tablets contain small amounts of conventional tableting lubricants and disintegrants. Moreover, tablets formed from the present invention are characterized by a high degree of friability, disintegration and dissolution. The spray dried compositions and the resulting tablets contain high dosage levels of **ibuprofen**.

The spray dried **ibuprofen** compositions and the resulting tablets comprise finely divided **ibuprofen** in a gelatinous starch matrix and may be coated with a protective coating. The spray dried compositions contain croscopovidone and/or sodium starch glycolate as a disintegrant and sodium lauryl sulfate as a wetting agent and an

IBUPROFEN



Chemistry module

Value added

- Fast indexation of patents
- Easy combination of molecule search with Orbit high quality database (keyword or even sequence search)
- Easy review of patents



Orbit IPBI solutions
foster IP stakeholders
in all their IP activities.

Thank you!!!

