

MedsPaL Release Note 1 – 07 May 2024

The new version of MedsPaL released in May 2024 is a major update to the interface first released in 2016. It provides users with an enhanced experience introducing a host of new features, tools and design, and broadened database scope and expanded information.

The screenshot displays the MedsPaL web application interface. At the top, there are navigation tabs for 'All products', 'Medicines (Low and middle income)', 'Vaccines (Worldwide)', and 'Technologies (Worldwide)'. Below these are search filters for 'Product' and 'Jurisdiction', along with a 'Keyword' search box and a 'CLEAR SEARCH' button. A '+ Advanced filters' link is also present. The main content area shows a table of search results with columns for 'Jurisdiction', 'Product Name', 'Product Type', 'Patent Description', 'Patent Status', and 'Application Number'. The results are filtered to show 'World Intellectual Property Organization (WIPO)' for jurisdiction and 'Abacavir 20 mg/ml' for product name. The table lists four patent entries for Abacavir, all with a status of 'National Phase Entered'. At the bottom, there is a pagination control showing '1 2 3 4 5 ... 800' and a 'Rows per page: 25' dropdown menu.

Jurisdiction	Product Name	Product Type	Patent Description	Patent Status	Application Number
World Intellectual Property Organization (WIPO)	Abacavir 20 mg/ml	Medicine	Abacavir hemisulfate salt	National Phase Entered	PCT/EP9802835
		Small Molecule(S)	Abacavir oral solution	National Phase Entered	PCT/EP9900663
			Abacavir enzyme for intermediate process	National Phase Entered	PCT/EP9805291
			Abacavir manufacturing process	National Phase Entered	PCT/GB9803080

Database Scope 2

New Design & Functional improvements 3

New Information 5

New Licences Tabs 6

New Feature - Advanced Filters 6

New Feature - Update Search 8

New Feature - Save Search and Run Alerts 9

New Design & Information - Patent Cards 11

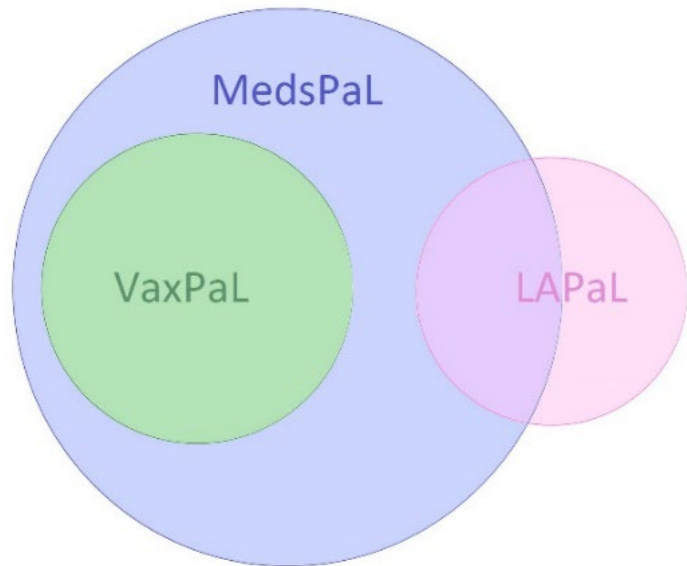
New Design & Information - Report View 12

Improved Mobile compatibility 15

Database Scope

In addition to medicines, MedsPaL now also includes patent and licence information on the following products:

- **Vaccines:** The database covers COVID-19 vaccines that received [Emergency Use Listing from the World Health Organisation WHO](#) until 31 December 2022. The information was previously available on a separate platform called VaxPaL, MPP's former COVID-19 vaccines patent database.
- **Technologies:** Long-acting technologies included in LAPaL, the Long-Acting technologies patents and licences database, a free online resource coordinated by MPP.



For vaccines and technologies, MedsPaL includes patent information **for all countries**.

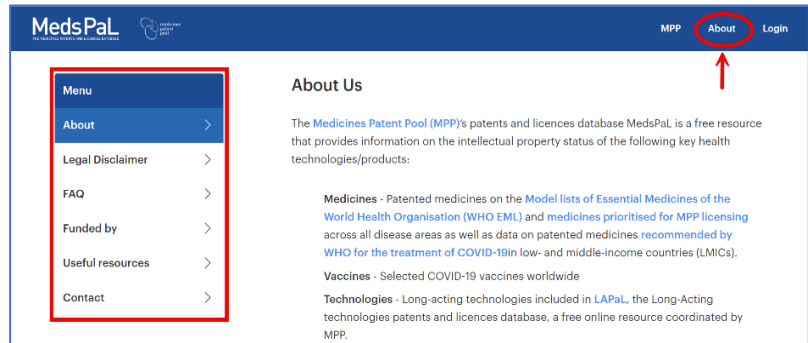
All products chip at the top of the main page is selected by default allowing the search for Medicines, Vaccines, and Technologies. Users can restrict the search to specific products by selecting the corresponding chips at the top of the main page:

A screenshot of the MedsPaL search interface. At the top, there are navigation links for 'MPP', 'About', and 'Login'. Below the header, a row of filter chips is displayed: 'All products', 'Medicines (Low and middle income)', 'Vaccines (Worldwide)', and 'Technologies (Worldwide)'. The 'Vaccines (Worldwide)' chip is highlighted with a green border. Below the filter chips, there are sections for 'Table' and 'Reports'. The 'Table' section includes a 'Product' dropdown menu, a 'Jurisdiction' dropdown menu, and a 'Keyword' search input field. A 'CLEAR SEARCH' button is located at the bottom right of the search area.

New Design & Functional improvements

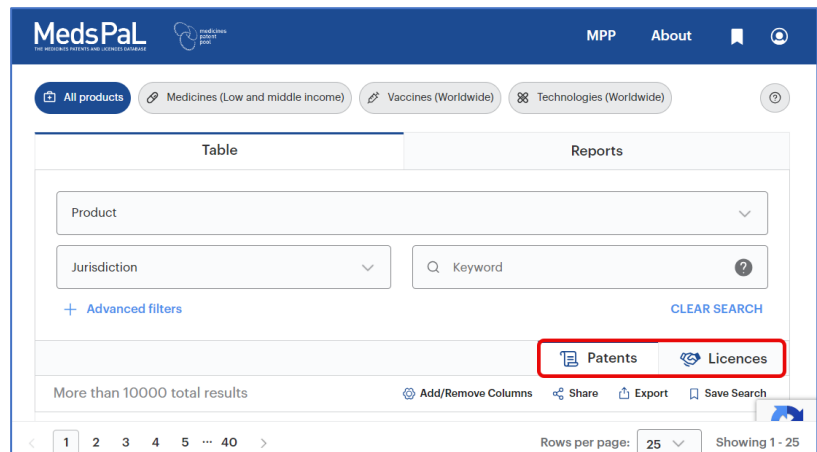
ABOUT

From the top banner, you can access the **About** menu with information on the database, including e.g. FAQs, and Useful Resources.



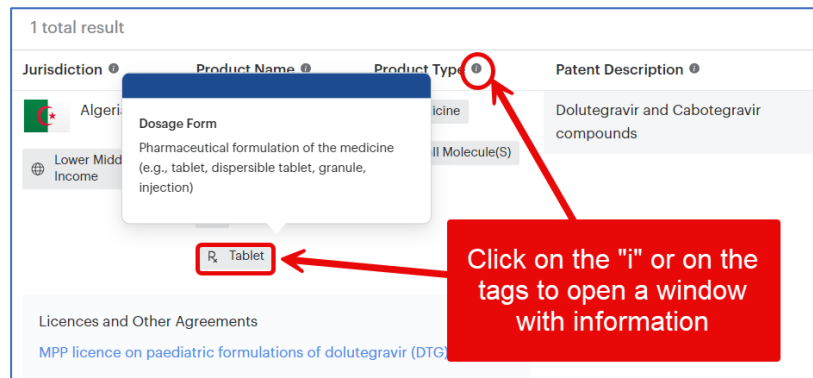
Licences Tab

Searches may be performed under **Table** or **Reports** views and the user may switch between the **Patents** and new **Licences** tabs to view the results.



Pop-ups

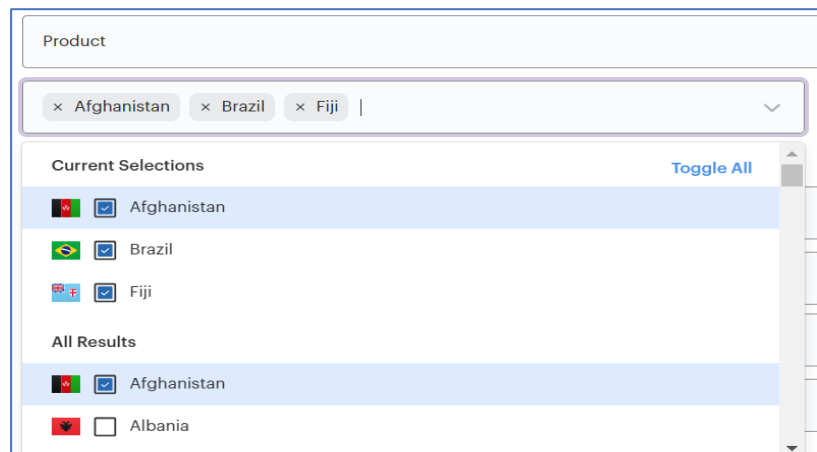
Information pop-ups are available throughout by following the **i** or clicking on tags



Search dropdowns & multiple selection

Items are selected from the lists by using checkboxes. Selected items appear as tags in the input box and at the top of the dropdown lists under the *Current selections* section.

Toggle All is used to select or unselect all items in a list.



Status categories

Throughout its life term, a patent application/patent will go through several main states captured in MedsPaL under Patent Status. These states can be grouped under three categories: **Filed**, **Granted** and **Not in force** as follows:

Patent Status	Status Category - used in Reports view	Highlight used in Table/Patents
Filed	Filed	Yellow Filed (Opposed)
Filed (opposed)		
Rejected - under appeal		
Restoration filed		
Granted	Granted	Green Granted Restored
Granted (claims amended)		
Granted (opposed)		
Restored		
Term extended		
Term extensions filed		
Expired	Not in force	Grey Withdrawn
National Phase entered		
Not filed		
Rejected		
Revoked		
Withdrawn		

Example:

Jurisdiction	Product Name	Product Type	Patent Description	Patent Status	Application Number	Expiry Date	Last Updated
China	Ibrutinib 140 mg	Medicine	Ibrutinib compound and analogues and their uses to treat cancers	Granted	CN201010162270	28/12/2026	31/03/2024
Upper Middle Income	Approved Capsule	Small molecule(s)	Ibrutinib compound and analogues and their uses to treat cancers	Granted	CN201210200042	28/12/2026	31/03/2024
			Ibrutinib compound and analogues and their uses to treat cancers	Granted	CN201210217024	28/12/2026	31/03/2024
			Ibrutinib compound and analogues and their uses to treat cancers	Granted	CN200680056438	28/12/2026	31/03/2024
			Ibrutinib use to treat cancers	Rejected	CN201180037737		31/03/2024
			Ibrutinib use to treat cancers	Filed	CN20171036665	03/06/2031	31/03/2024
			Ibrutinib for treating a hematologic cancer	Rejected	CN201280062429		31/03/2024
			Ibrutinib for treating a hematologic cancer	Filed	CN201911076512	19/10/2032	31/03/2024
			Ibrutinib crystalline forms	Filed	CN201910730441	03/06/2033	31/03/2024
			Ibrutinib crystalline forms	Rejected	CN201380041392		31/03/2024
			Ibrutinib to treat or prevent graft versus host disease	Granted	CN202010072071	24/10/2034	31/03/2024
			Ibrutinib to treat or prevent graft versus host disease	Granted	CN201480068676	24/10/2034	31/03/2024

New Information

Information on health products' clinical development status, dosage form and route of administration and on countries' region and World Bank income classification is now available on the **Patents** result table:
Newly available information includes:

For Jurisdictions:

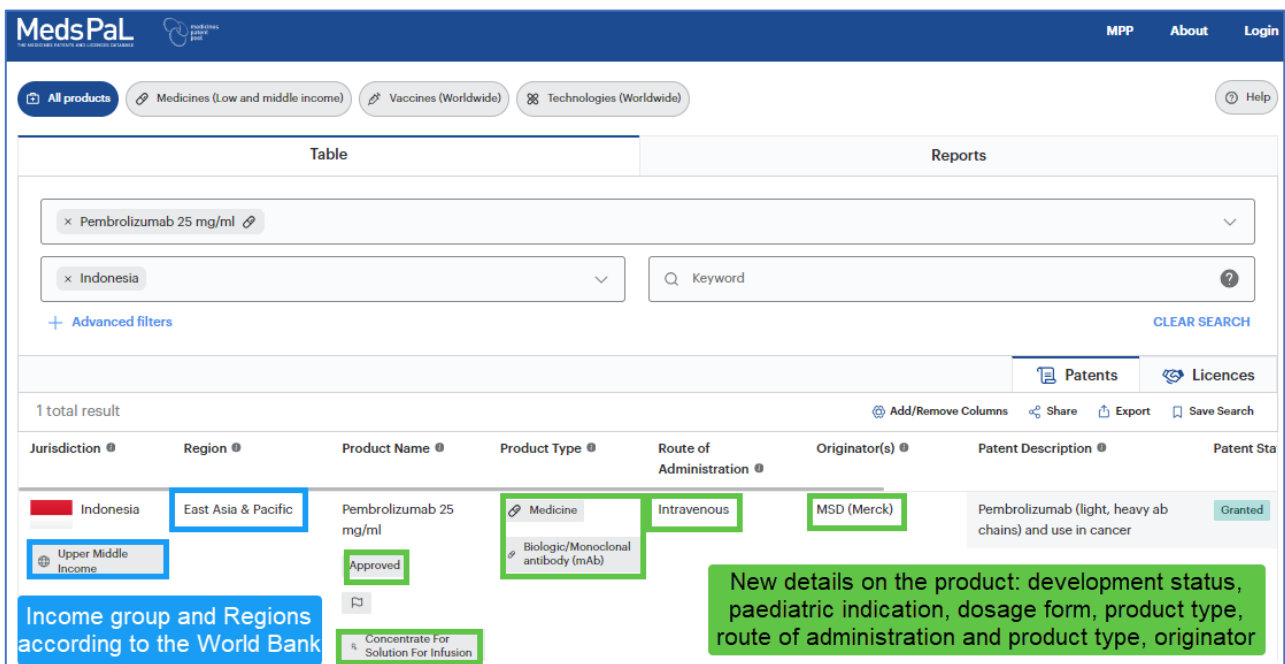
World bank **income group** and **regions**

For products:

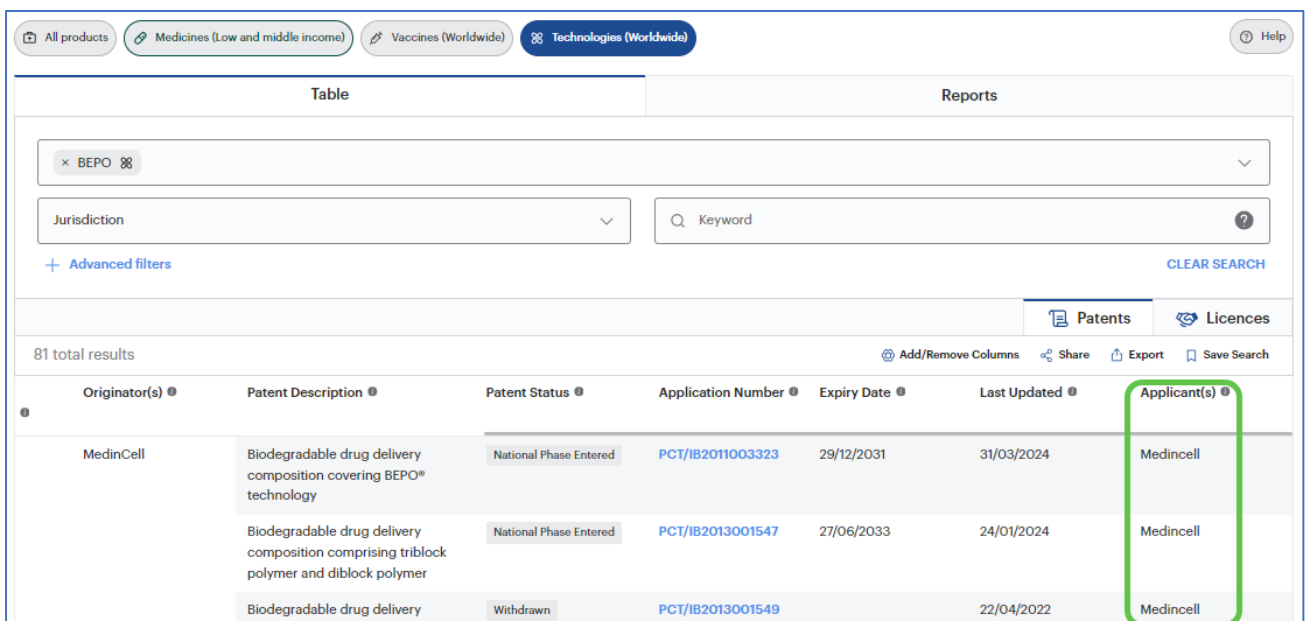
Development status
Paediatric indication
Dosage form
Product type and sub-type
Route of administration
Originator(s)

For Patents:

Applicant(s)



Jurisdiction	Region	Product Name	Product Type	Route of Administration	Originator(s)	Patent Description	Patent Sta
Indonesia	East Asia & Pacific	Pembrolizumab 25 mg/ml	Medicine	Intravenous	MSD (Merck)	Pembrolizumab (light, heavy ab chains) and use in cancer	Granted
Upper Middle Income		Approved	Biologic/Monoclonal antibody (mAb)				
		Concentrate For Solution For Infusion					



Originator(s)	Patent Description	Patent Status	Application Number	Expiry Date	Last Updated	Applicant(s)
MedinCell	Biodegradable drug delivery composition covering BEPO® technology	National Phase Entered	PCT/IB2011003323	29/12/2031	31/03/2024	MedinCell
	Biodegradable drug delivery composition comprising triblock polymer and diblock polymer	National Phase Entered	PCT/IB2013001547	27/06/2033	24/01/2024	MedinCell
	Biodegradable drug delivery	Withdrawn	PCT/IB2013001549		22/04/2022	MedinCell

New Licences Tabs

In addition to being shown in the patents results table, **Licences** are also shown in a dedicated new tab on both the **Table** and **Reports** views. When performing a search on one or multiple products, the user can switch between the Patents and Licences tabs. Jurisdictions are broken down by region:

Jurisdiction	Product Name	Product Type	Patent Description	Patent Status	Application Number	Expiry Date	Last Updated
Algeria	Dolutegravir 10 mg, Dolutegravir 25 mg	Medicine	Dolutegravir and Cabotegravir compounds	Granted	DZ150738	28/04/2026	16/03/2023

Licences and Other Agreements
MPP licence on paediatric formulations of dolutegravir (DTG)



Licence	Product Name	Type of Licence	Product Type	Jurisdictions	Licensor	Licensee	Notes for Licence
MPP licence on paediatric formulations of dolutegravir (DTG)	Abacavir/Lamivudine/Dolutegravir 60/30/5 mg Abacavir/Lamivudine/Dolutegravir 120/60/10 mg	MPP Agreement	Medicine Small molecule(s)	East Asia & Pacific Cambodia, Fiji, Indonesia, Kiribati, Korea (Democratic People's Republic of), Lao People's Democratic Republic (the), Malaysia, Marshall Islands, Micronesia	Viiv	Adcock Ingram, Celltrion, Cipla, Desano, Emcure, Hetero, Laurus Labs, Lupin,	Country paediatric MPP licence is being

Type of Licence is a newly displayed information available as a separate column in the results table and as a new field in the **Licence cards**.

Users can now also search for Licence information using the following criteria: Type of Licence, Product, Jurisdiction, Licensor, and Licensee.

Bilateral Licence On Delamanid (Mylan)

Type	Bilateral Licence
Licensor	Otsuka
Jurisdictions	Afghanistan, Albania, Algeria, Angola, Bangladesh, Belize, Benin, Bhutan, Bolivia (Plurinational State of), Bosnia and Herzegovina, Botswana, Brazil, Burkina Faso, Burundi, Cabo Verde, Cambodia, Cameroon, Central African Republic, Chad, Colombia, Comoros, Congo, Congo, democratic Republic of the, Costa Rica, Côte d'Ivoire, Cuba, Democratic Republic of the Congo, Dominican Republic, Ecuador, Egypt, El Salvador, Equatorial Guinea, Ethiopia, Fiji, France, Gabon, Gambia, Georgia, Germany, Ghana, Guinea, Guinea-Bissau, Haiti, Honduras, Hungary, India, Indonesia, Iraq, Israel, Italy, Jamaica, Jordan, Kazakhstan, Kenya, Kiribati, Korea (Democratic People's Republic of), Korea (Republic of), Kuwait, Kyrgyzstan, Lao People's Democratic Republic (the), Latvia, Lebanon, Lesotho, Liberia, Lithuania, Luxembourg, Madagascar, Malawi, Malaysia, Marshall Islands, Mauritania, Mauritius, Mexico, Micronesia, Moldova, Monaco, Mongolia, Montenegro, Mozambique, Myanmar, Namibia, Nepal, Netherlands, New Zealand, Nicaragua, Niger, Nigeria, North Macedonia, Norway, Oman, Pakistan, Palau, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Qatar, Romania, Rwanda, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Samoa, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, South Korea, South Sudan, Spain, Sri Lanka, Sudan, Suriname, Swaziland, Sweden, Switzerland, Taiwan, Tajikistan, Tanzania, Thailand, Timor-Leste, Togo, Tonga, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States of America, Uruguay, Uzbekistan, Vanuatu, Venezuela, Viet Nam, Yemen, Zambia, Zimbabwe
Licensee(s)	Mylan

New Feature- Advanced Filters

In addition to the simple search by Product name, Jurisdiction and/or Keyword, the new **Advanced filters** section provides the user with additional search options related to:

- **Patents:** Patent status (e.g. expired, granted, filed)
- **Jurisdictions:** Income group and Region
- **Products:** Route of administration, Dosage form, Disease Area, Originator(s), paediatric indication, and EML (inclusion in in the Model lists of Essential Medicines of the World Health Organisation (WHO EML))
- **Licences:** Licence type, Licensor and Licensee
- Regulatory **Data exclusivity** expiry date

Apart from **Disease area**, that has been moved from simple search to *Advanced filters*, all the Advanced filters are new.

When the user runs a search and uses the *Advanced filters*, the section will collapse when scrolling down. The user will see if and how many advanced filters are selected.

When making multiple selections, the selected items that do not satisfy all selected filters will be crossed or greyed out:

➔ Brazil and China are not part of the Territory of the selected licence and are crossed out.

➔ When starting a search in Table/Licences, patent status will be greyed out.

New Feature- Update Search

In Table view, when scrolling down the results tables, the search panel collapses further to an **Update Search** button that appears on the upper right side that the user can click to expand and update the search parameters.

Jurisdiction	Product Name	Product Type	Patent Description	Patent Status	Application Number	Expiry Date
Licences and Other Agreements J&J commitment not to enforce patents for bedaquiline for the treatment of multidrug-resistant tuberculosis J&J/Stop TB Bilateral generic distribution agreement for BDQ			Bedaquiline process	Granted	BRPIO611166	22/05/2026
			Bedaquiline fumarate salt and solid compositions	Rejected - Under Appeal	BRPIO719693	
Brazil	Bedaquiline 20 mg	Medicine	Bedaquiline compounds	Expired	BR0312927	18/07/2023
Upper Middle Income	Approved	Small molecule(s)	Bedaquiline to treat MDR TB and/or combinations with other antimycobacterial agents	Granted	BRPIO510414	24/05/2025
			Bedaquiline to treat latent TB	Granted	BRPIO506400	08/12/2025
			Bedaquiline process	Granted	BRPIO611166	22/05/2026
			Bedaquiline fumarate salt and solid compositions	Rejected - Under Appeal	BRPIO719693	03/12/2027
			Bedaquiline dispersible tablet formulations	Granted (Opposed)	BR112017015784	26/01/2036

Once users click on the button, the search table will be displayed

Update Search



x Bedaquiline 20 mg
x Bedaquiline 100 mg

x Brazil x China x India

Advanced filters
CLEAR SEARCH

Patent Status

Income Group

Region

Route of Administration

Dosage Form

Paediatric

Disease Area

Originator

EML

Licence Type

Licensor

Data Exclusivity

Licensees

The pop-out search table for users to update their search/filters

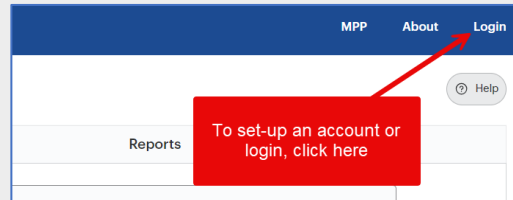
Once the search parameters are updated, the user needs to click outside the search panel to close it.

New Feature- Save Search and Run Alerts

In the Table view, users can save their searches and enable e-mail updates to be notified of changes to those results. Types of changes that may trigger an e-mail notification include changes in patent status, a newly associated patent or agreement, or the addition of Data Exclusivity information. A user account is required, and users will be prompted to create one the first time they attempt to save a search. An account may be set up directly as follows:

To set up an account:

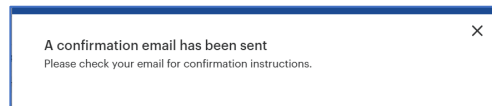
1. Click on "Login" on the top banner to open the Login form



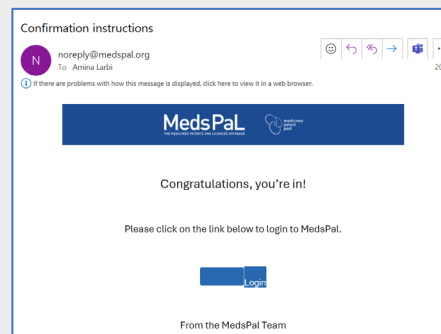
2. Click on "Sign up for an account" to open the Sign-up form.

3. Fill-in the Sign-up form

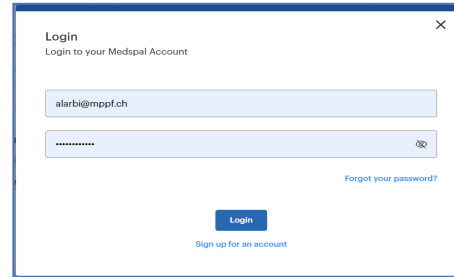
4. Once you submit the form you will get a confirmation message



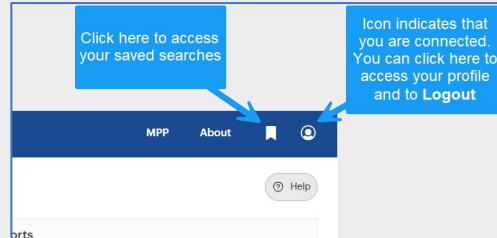
5. You will receive a confirmation e-mail from: noreply@medspal.org



6. Follow the link provided in the e-mail to login with your credentials.

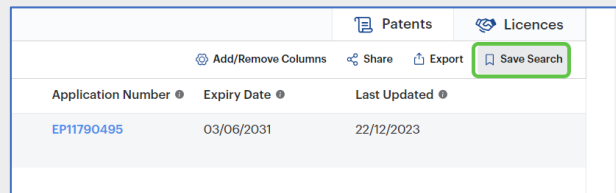


7. Once logged in, the “Login” link at the top will be replaced with a bookmark that gives access to your saved searches.

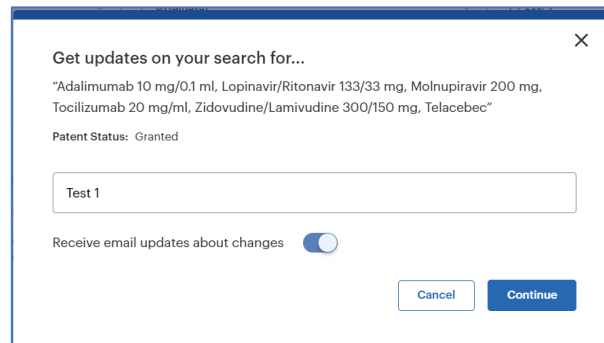


To save and update your search:

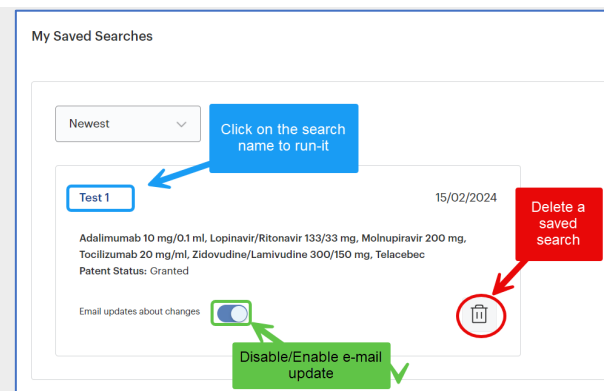
1. Run a search and click on “save search”. If not already logged-in, you will be asked to “Login”. Enter your credentials or create a new account



2. Name the search and select if you wish to receive an email alert.



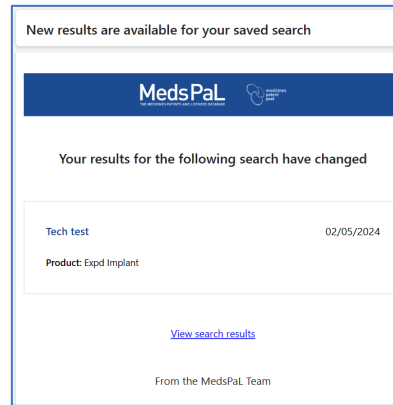
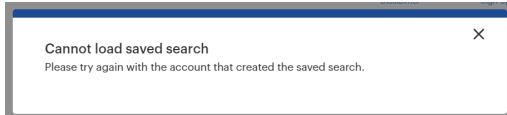
3. From the Saved Searches tab you can run the saved search, delete it and enable email notifications.



4. When your saved search results change, you will receive an email notification within 24 hours.

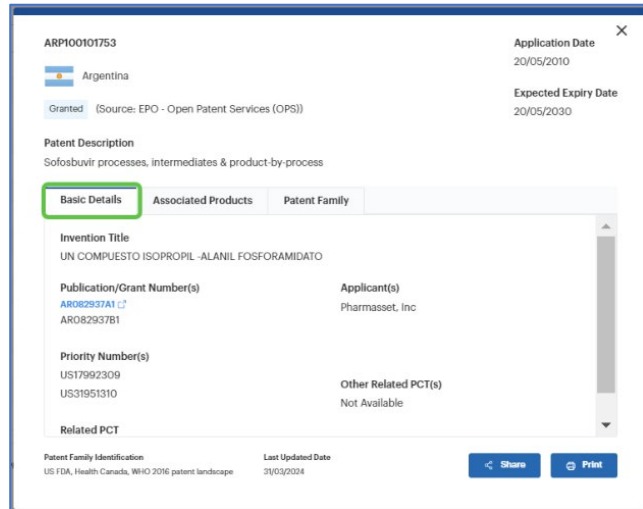
Click on “View search results” to run the search. If not already logged in, you will be asked to do so.

if your search cannot be loaded, you may have two accounts with two different e-mail addresses. Try with the account that created the search.



New Design & Information- Patent Cards

The new Patent card design regroups bibliographical details under a new tab named **Basic details**:



Two new tabs show the following information:

Associated Products

Lists all other products in the database associated with the same patent

Product Name	Dosage Form	Route of Administration
Sofosbuvir 400 mg	tablet	Oral
Sofosbuvir+Daclatasvir 400+60 mg	tablet	Oral
Sofosbuvir/Daclatasvir 400/60 mg	tablet	Oral
Sofosbuvir/Velpatasvir 150/37.5 mg/pellets	oral pellets	Oral
Sofosbuvir/Velpatasvir 200/50 mg/pellets	oral pellets	Oral

Patent Family

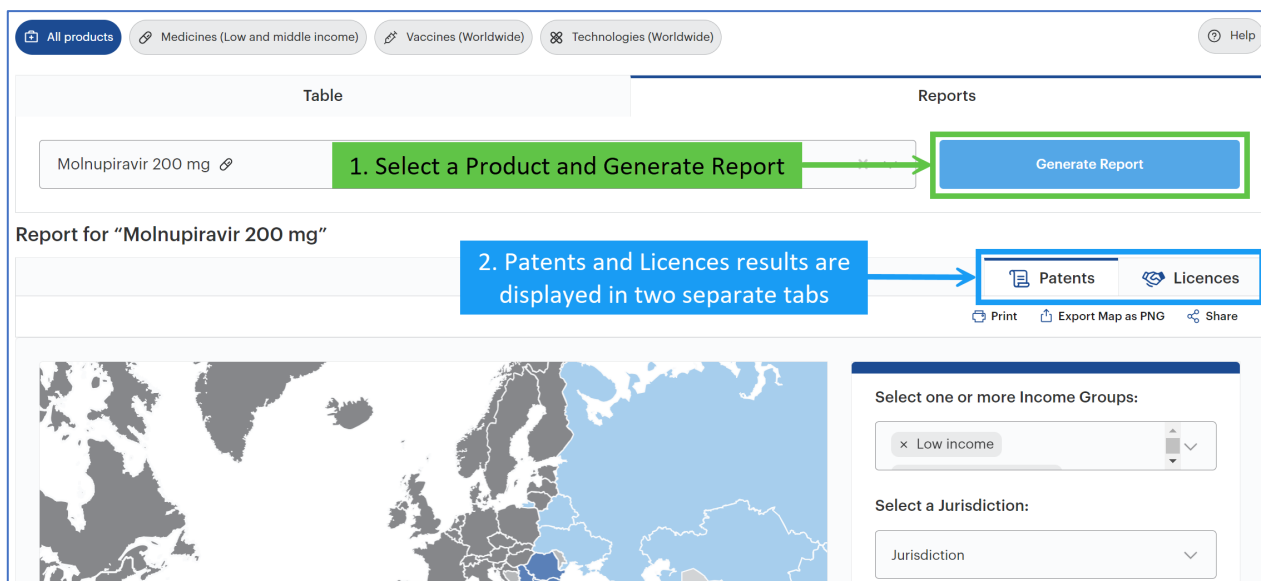
Displays equivalent national patent applications from other jurisdictions. Low-and Middle- Income Countries are listed under this tab for Medicines and worldwide coverage is available for Vaccines and Technologies

Area	Application Number	Patent Status	Application Date	Expiry Date
Albania	EP10721225	Granted	20/05/2010	20/05/2030
Albania	EP17189286	Withdrawn	20/05/2010	
Albania	EP15152203	Withdrawn	20/05/2010	
Albania	EP15152204	Withdrawn	20/05/2010	
Albania	EP13159903	Withdrawn	20/05/2010	
Argentina	ARPI00101753	Granted	20/05/2010	20/05/2030

New Design & Information- Report View

MAP VIEW has been replaced by **REPORTS** that allows some analysis of patent and licences associated with a Product through interactive maps, donut charts, and timelines.

- ➔ Start by selecting a **Product** in the dropdown list and click on **Generate Report**.
- ➔ The resulting Patent and Licence information will be distributed on two different tabs: **Patents & Licences**

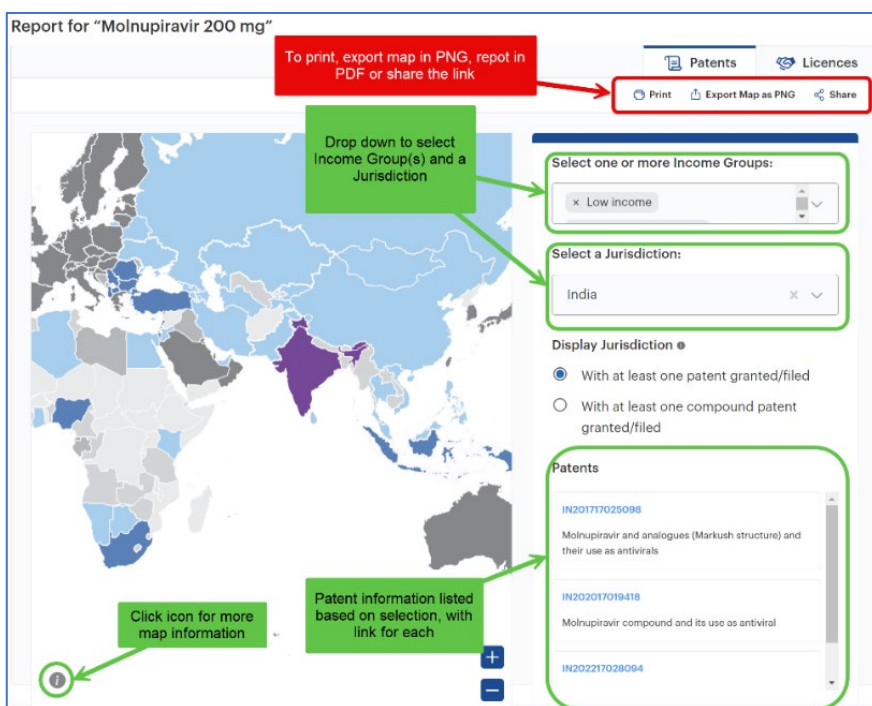


Patents tab - Interactive Map

All patent applications and granted patents associated with the selected product are shown by default on a map. You can:

- filter results by **Income Group** or a specific **Jurisdiction**.
- select whether to display all patents or only those covering the compound (for medicines only).
- select countries directly from the Map.

When a **Jurisdiction** is selected, the country will be highlighted in purple and related patents will be listed on the right with links to patent cards.



Click on the “i” icon to expand and view the map legend and the shades of colours used:



Patents tab - Summary of Patent Statuses for Family by Region

List and donut chart show the distribution of patents/patent applications for all patent families associated with the selected product by status category (Granted, Pending/Filed, Not in force) and by regions.

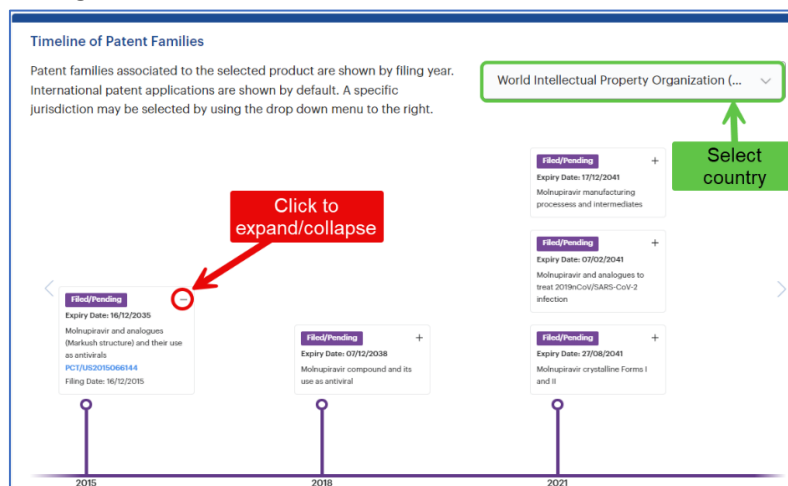
A specific family may be selected by the user by using the drop-down menu to the right.

The Donut chart is divided by regions shown in different colours. Colour gradient relates to patent status categories: darker colours are for active status and lighter colours are for inactive status. You may hover over a slice of pie to see detailed statuses.



Patents tab - Timeline of Patent Families

Patent families associated with the selected product are shown by filing year. with WIPO (Patent Cooperation Treaty international patent applications) shown by default. A specific jurisdiction may be selected by using the drop-down menu to the right.

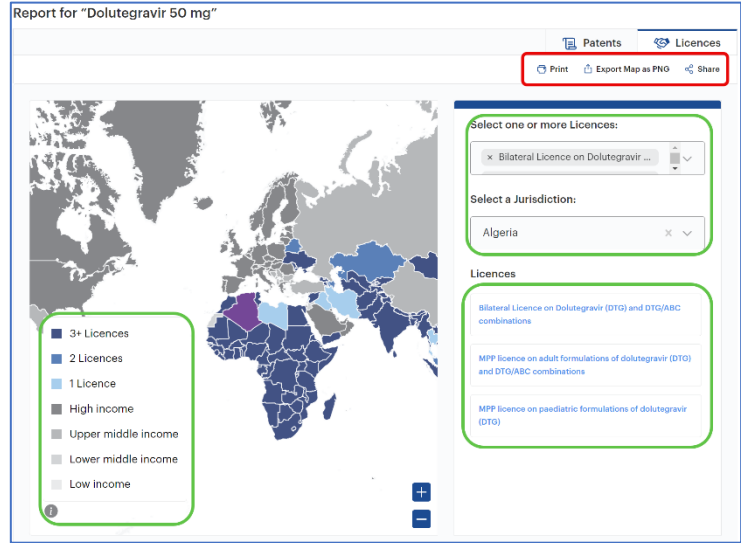


Licences tab - Interactive map:

All licences associated with the product are displayed by default. You can:

- filter by licence name (via single or multiple selections)
- select a specific jurisdiction directly on the map and associated licences information will be listed on the right with link to Licence cards.

Click on the “i” icon to expand and view the map legend and the shades of colours used.



Licences tab – Licences table

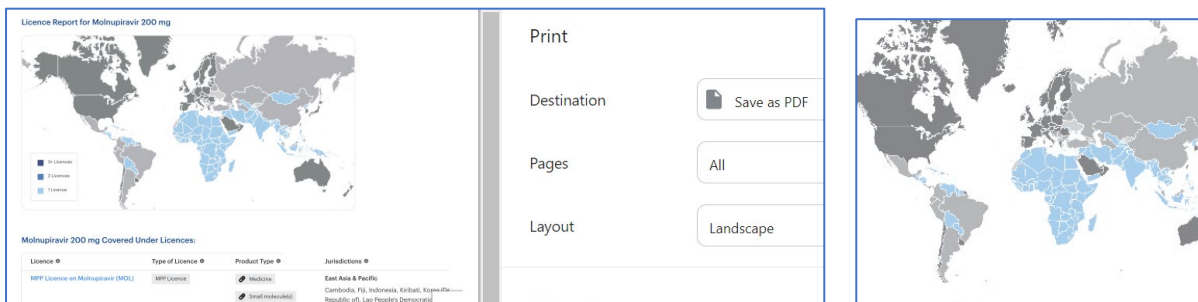
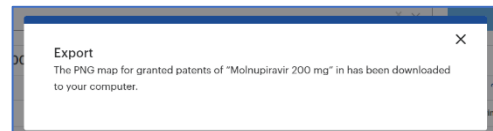
Under this section, the licences associated with the chosen product are listed with detailed information including title, type of licence, jurisdictions, licensor and licensee. Clicking on the licence title opens the Licence card:

Dolutegravir 50 mg Covered Under Licences:

Licence	Type of Licence	Product Type	Jurisdictions	Licensor	Licensee
Bilateral Licence on Dolutegravir (DTG) and DTG/ABC combinations	Bilateral Licence	Medicine Small molecule(s)	East Asia & Pacific Cambodia, Indonesia, Kiribati, Korea (Democratic People's Republic of), Lao People's Democratic Republic (the), Micronesia (Federated States of), Mongolia, Myanmar, Papua New Guinea, Philippines, Samoa, Solomon Islands, Timor-Leste, Tuvalu, Vanuatu, Viet Nam Europe & Central Asia Armenia, Georgia, Kosovo, Kyrgyzstan, Moldova, Republic of, Tajikistan, Turkmenistan, Ukraine, Uzbekistan Latin America & Caribbean	Viiv	Aurobindo

Patents and Licences maps can be **exported** as PNG, the full report as **PDF**. The search can also be **shared** as link.

Print to export/save the Patent or Licence reports in PDF format or **Export** to save the maps as a **PNG** image on your computer:



Improved Mobile compatibility

The design has been adapted for portrait mode viewing and mobile compatibility. The new website is mobile responsive and adapts to different types of tablets and mobiles. Below a few example screen shots from a mobile phone:

Table view (1/3)- Search

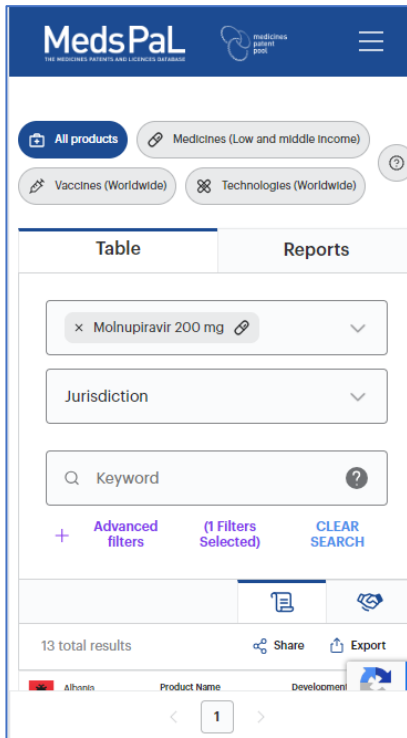


Table view (2/3)- Patents tab

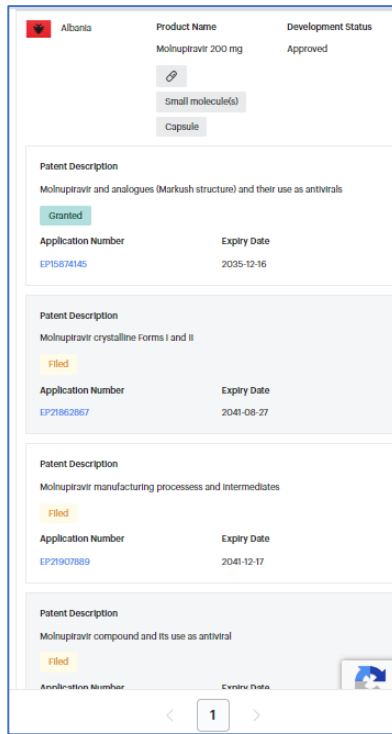
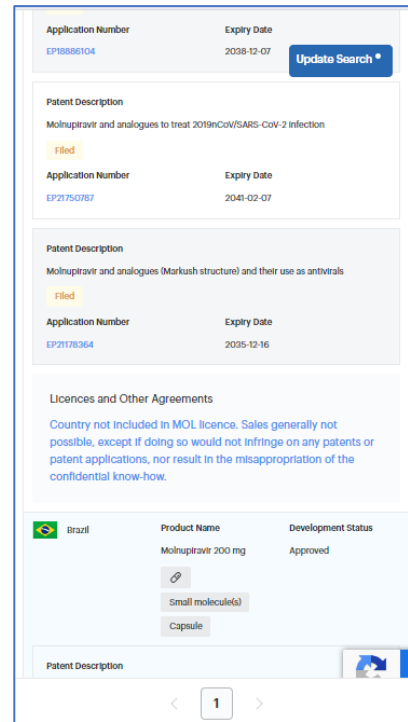


Table view (3/3)- Patents tab



Patent Card

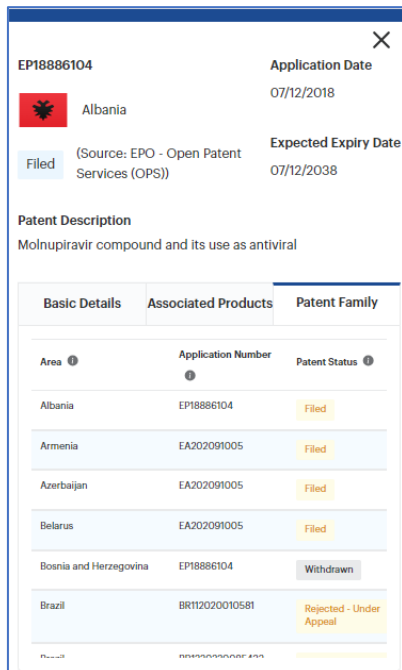
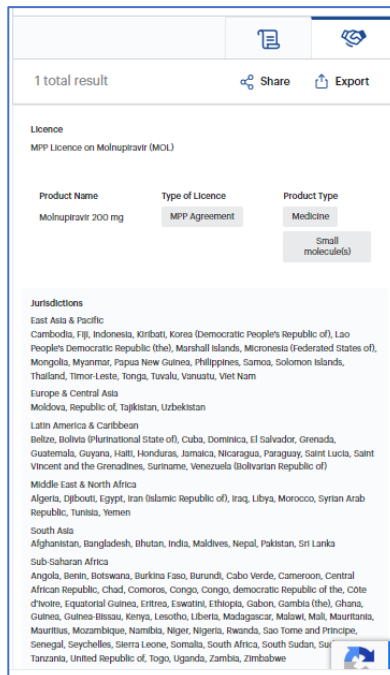


Table view - Licences tab



Reports - Patents/Map

