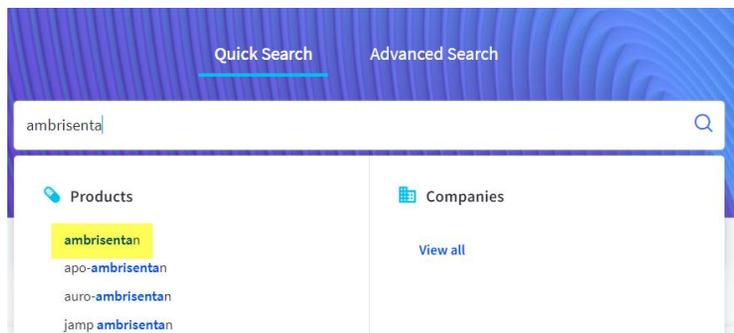


# Cortellis Product Intelligence

## 分子に関する特許と独占権を特定

注目する市場（国）における医薬品の特許および他のタイプの独占権を評価します

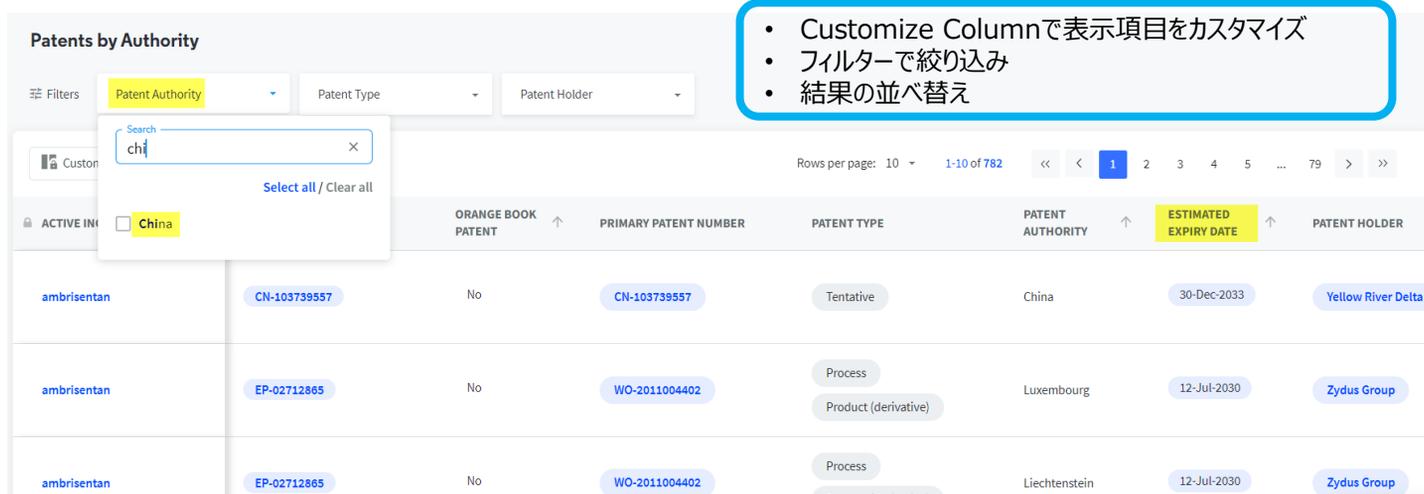
1. Quick Searchに製品名を入力し表示されるリストから選択します。



2. Productレコードの[Patents]タブを開きます。[Patents by Authority]の一覧で、Cortellis Product Intelligenceがまとめた、特許権者、推定される失効日などを確認できます。

例：中国特許のExpiry Date（失効日）一覧を確認する

- Customize Columnで表示項目をカスタマイズ
- フィルターで絞り込み
- 結果の並べ替え



The screenshot shows the 'Patents by Authority' table. The 'Patent Authority' filter is set to 'China'. A search dropdown is open with 'ch' entered. The table has columns: 'ORANGE BOOK PATENT', 'PRIMARY PATENT NUMBER', 'PATENT TYPE', 'PATENT AUTHORITY', 'ESTIMATED EXPIRY DATE', and 'PATENT HOLDER'. The table contains three rows of patent data for 'ambrisentan'.

Product	Orange Book Patent	Primary Patent Number	Patent Type	Patent Authority	Estimated Expiry Date	Patent Holder
ambrisentan	No	CN-103739557	Tentative	China	30-Dec-2033	Yellow River Delta
ambrisentan	No	WO-2011004402	Process Product (derivative)	Luxembourg	12-Jul-2030	Zydus Group
ambrisentan	No	WO-2011004402	Process Product (derivative)	Liechtenstein	12-Jul-2030	Zydus Group

### 3. Patent Publication numberをクリックして各特許の詳細パネルを表示します。

**Patents by Authority**

Filters Patent Authority Patent Type Patent Holder

Customize Columns Export

ACTIVE INGREDIENT	PUBLICATION NUMBER	ORANGE BOOK PATENT	PRIMARY PATENT
ambrisentan	CN-103739557	No	CN-103739557
ambrisentan	EP-02712865	No	WO-2011004
ambrisentan	EP-02712865	No	WO-2011004

**Primary Patent Details**

**Detail and Information**

Publication Number [CN-103739557](#)

Publication Country/Territory: China

Patent Title: Synthetic method of 4,6-dimethyl-2-methyl sulfonyl pyridine

Application Date: 30-Dec-2013

Patent Holder: [Yellow River Delta Jingbo Chemical Research Institute Co Ltd](#)

[Search US Patent Office](#)

**Patent Types**: Tentative

**Actions**: Endothelin receptor modulator

**Indications**: Pulmonary hypertension

**Technologies**: Chemical intermediate, Synthetic method

**Synthon**: Synthon

**Opponent/Infringer**: None reported

**Annotations for Patent Family**

Method for preparing 4,6-dimethyl-2-methyl sulfonyl pyridine, intermediate for preparing API with highly selective endothelin receptor antagonist activity, useful for treating pulmonary hypertension. The inventors have previous filings claiming method for synthesis of 4,6-dimethyl-2-methyl sulfonyl pyridine. The API may be ambrisentan.

**Active Ingredients Covered in the Primary Patent**

[ambrisentan](#) - Tentative

**Expiry Information for Patent Family**

30-Dec-2033 Based on priority date

[CN-103739557](#)