

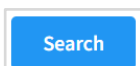
Routes of synthesis

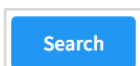
Routes of synthesis to manufacture APIs are available in product records in *Cortellis Product Intelligence*. They can be searched by product name, patent details, reagent and intermediates utilized as well as other fields from *Advanced Search*. This guide explains how to find APIs according to number of routes of synthesis associated and intermediates utilized.

1. Once in *Advanced Search*, select 'Routes of Synthesis' from the search box at the top and then 'Intermediate or Reagent' from the menu below.

2. Enter name or CAS number of intermediate or reagent and add 'Number of Routes of Synthesis' as an additional field.

3. Move sliders to indicate the range of number of routes of synthesis desired per API. Maximizing or minimizing this number will affect the number of API manufacturers, too. The more routes of synthesis available, the more manufacturers are likely to be interested in this API. For this example, let's limit this number by choosing 1-5.



4. Click  to retrieve results.
5. Results table is displayed next showing API names, number of routes of synthesis, scheme range where CAS 638-29-9 is utilized and other details.

Hide/Display columns and download this table to share with colleagues by using buttons at the top left.

Advanced Search Results

Customize Columns ? Export

Showing 1-6 of 6

END PRODUCT	ROUTES OF SYNTHESIS	SCHEMA RANGE	INTERMEDIATES	REAGENTS	PATENTS	LITERATURE
pentamorphone	1	1	4	6	2	1
ciprofibrate	4	2	9	7	2	0
cefsulodin sodium	5	2	9	15	1	0

6. Click number of routes of synthesis (4) in the results table to navigate directly to the *Scientific* tab in *ciprofibrate* product record to view schemas available.

ciprofibrate Alert

PRODUCT KEY INSIGHTS | API MANUFACTURERS | REGULATORY FILINGS | APPROVALS | CONSTRAINT DATE FORECAST & EXCLUSIVITIES | PATENTS & SPCS | US PATENT CHALLENGES | DEALS | COMPETITIVE INSIGHTS | R&D | **SCIENTIFIC**

LAUNCHES & PACK PRICES | US MARKET SHARE | LATAM MARKET SHARE

Product Information

Therapeutic Area

Fibrates

Technologies

Oral formulation | Small molecule therapeutic | Tablet formulation

Chemical Structure

CAS Number: 52214-84-3

7. Scroll down and select *Schema* number from results table to display scheme of reaction, reagents, intermediates and more.

Select Schema: 2

Related Information

Intermediates 9

CAS: 100-42-5	Ethylbenzene	CAS: 638-29-9	Pentanoyl chloride
CAS: 100-42-5	Phenylethylene	CAS: 638-29-9	Valeroyl chloride
CAS: 100-42-5	Styrene	CAS: 638-29-9	Valeryl chloride

Go to *Select Schema* and choose 2 -as indicated in results table- to display the route of synthesis where CAS 638-29-9 is included.

8. Patents, literature and bionalytical methods associated are available at the bottom of the page for further due diligence.

Patents 2

PUBLICATION NUMBER	PATENT HOLDER	
CN-103613498	Zhejiang Henggang Pharmaceutical Co Ltd	Synthetic method of ciprofibrate
CN-104909994	Zhejiang Henggang Pharmaceutical Co Ltd	Method for synthesizing ciprofibrate intermediate and the intermediate

Evaluate of existing manufacturers and viability of manufacturing this API by clicking publication or patent holder name.

For more information contact Customer Service at **LS Product Support**