**D03:** Find ingredients of a drug

This query is designed to accept a drug concept (both clinical or branded) as input and return the list of ingredients that constitute them. Drug concept IDs can be obtained using query G03 or D02.

**Sample query:**

SELECT

D.Concept\_Id drug\_concept\_id,

D.Concept\_Name drug\_name,

D.Concept\_Code drug\_concept\_code,

D.Concept\_Class\_id drug\_concept\_class,

A.Concept\_Id ingredient\_concept\_id,

A.Concept\_Name ingredient\_name,

A.Concept\_Code ingredient\_concept\_code,

A.Concept\_Class\_id ingredient\_concept\_class

FROM

full\_201706\_omop\_v5.concept\_ancestor CA,

full\_201706\_omop\_v5.concept A,

full\_201706\_omop\_v5.concept D

WHERE

CA.descendant\_concept\_id = D.concept\_id

AND CA.ancestor\_concept\_id = A.concept\_id

AND LOWER(A.concept\_class\_id) = 'ingredient'

AND sysdate BETWEEN A.VALID\_START\_DATE AND A.VALID\_END\_DATE

AND sysdate BETWEEN D.VALID\_START\_DATE AND D.VALID\_END\_DATE

AND CA.descendant\_concept\_id IN (939355, 19102189, 19033566)

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| List of drug Concept ID | 939355, 19102189, 19033566 | Yes | Includes both clinical and branded drug concepts |
| As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Drug\_Concept\_ID | Concept ID of drug (clinical/generic or branded) |
| Drug\_Name | Name of drug |
| Drug\_Concept\_Code | Concept code of the drug |
| Drug\_Concept\_Class | Concept class of the drug |
| Ingredient\_Concept\_ID | Concept ID of the clinical ingredient |
| Ingredient\_Name | Name of the clinical ingredient |
| Ingredient\_Concept\_Code | Concept code of the clinical ingredient |
| Ingredient\_Concept\_Class | Concept Class of the clinical ingredient |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Drug\_Concept\_ID | 19102189 |
| Drug\_Name | Omeprazole 20 MG Enteric Coated Tablet |
| Drug\_Concept\_Code | 402014 |
| Drug\_Concept\_Class | Clinical Drug |
| Ingredient\_Concept\_ID | 923645 |
| Ingredient\_Name | Omeprazole |
| Ingredient\_Concept\_Code | 7646 |
| Ingredient\_Concept\_Class | Ingredient |