**D06:** Find branded drugs by ingredient

This query is designed to extract all branded drugs that have a specified ingredient. The query accepts an ingredient concept ID as the input and returns all branded drugs that have the ingredient. It should be noted that the query returns both generics that have a single ingredient (i.e. the specified ingredient) and those that are combinations which include the specified ingredient. The query requires the ingredient concept ID as the input. A list of these ingredient concepts can be extracted by querying the CONCEPT table for concept class of ‘Ingredient’.

**Sample query:**

SELECT A.concept\_id Ingredient\_concept\_id,

A.concept\_name Ingredient\_concept\_name,

A.concept\_code Ingredient\_concept\_code,

A.concept\_class\_id Ingredient\_concept\_class,

D.concept\_id branded\_drug\_id,

D.concept\_name branded\_drug\_name,

D.concept\_code branded\_drug\_concept\_code,

D.concept\_class\_id branded\_drug\_concept\_class

FROM concept\_ancestor CA,

concept A,

concept D

WHERE

CA.ancestor\_concept\_id = 966991

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

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

AND D.concept\_class\_id = 'Branded Drug'

AND sysdate BETWEEN A.valid\_start\_date AND A.valid\_end\_date AND sysdate BETWEEN D.valid\_start\_date AND D.valid\_end\_date

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| Ingredient Concept ID | 966991 | Yes | Concept ID for ‘Simethicone’. |
| As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Ingredient\_Concept\_ID | Concept ID of the ingredient entered as input |
| Ingredient\_name | Name of the Ingredient |
| Ingredient\_Concept\_code | Concept code of the ingredient |
| Ingredient\_Concept\_class | Concept Class of the ingredient |
| Branded\_Drug\_ID | Concept ID of branded drug with the ingredient |
| Branded\_Drug\_Name | Name of branded drug concept with the ingredient |
| Branded\_Drug\_Concept\_Code | Concept code of the branded drug with the ingredient |
| Branded\_Drug\_Concept\_Class | Concept class of branded drug with the ingredient |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Ingredient\_Concept\_ID | 966991 |
| Ingredient\_name | Simethicone |
| Ingredient\_Concept\_code | 9796 |
| Ingredient\_Concept\_class | Ingredient |
| Branded\_Drug\_ID | 19132733 |
| Branded\_Drug\_Name | Simethicone 66.7 MG/ML Oral Suspension [Mylicon] |
| Branded\_Drug\_Concept\_Code | 809376 |
| Branded\_Drug\_Concept\_Class | Branded Drug |