**D07:** Find single ingredient drugs by ingredient

This query accepts accepts an ingredient concept ID and returns all drugs which contain only one ingredient specified in the query. This query is useful when studying drug outcomes for ingredients where the outcome or drug-drug interaction effect of other ingredients needs to be avoided. Indications have to be provided as FDB (vocabulary\_id=19) or NDF-RT indications (vocabulary\_id=7).

**Sample query:**

SELECT

c.concept\_id as drug\_concept\_id,

c.concept\_name as drug\_concept\_name,

c.concept\_class\_id as drug\_concept\_class\_id

FROM concept c

INNER JOIN (

SELECT drug.cid FROM (

SELECT a.descendant\_concept\_id cid, count(\*) cnt FROM concept\_ancestor a

INNER JOIN (

SELECT c.concept\_id FROM concept c, concept\_ancestor a

WHERE a.ancestor\_concept\_id = 1000560

AND a.descendant\_concept\_id = c.concept\_id AND c.vocabulary\_id = 'RxNorm'

) cd ON cd.concept\_id = a.descendant\_concept\_id

INNER JOIN concept c ON c.concept\_id=a.ancestor\_concept\_id

WHERE c.concept\_class\_id = 'Ingredient'

GROUP BY a.descendant\_concept\_id

) drug WHERE drug.cnt = 1 -- contains only 1 ingredient

) onesie ON onesie.cid = c.concept\_id

WHERE sysdate BETWEEN valid\_start\_date AND valid\_end\_date

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| Ingredient Concept ID | 1000560 | Yes | Concept ID for ingredient ‘Ondansetron’ |
| 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 a drug |
| Drug\_Concept\_Name | Name of drug Concept |
| Drug\_Concept\_Class | Concept Code of drug |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Drug\_Concept\_ID | 40227201 |
| Drug\_Concept\_Name | Ondansetron 0.16 MG/ML Injectable Solution |
| Drug\_Concept\_Class | Clinical Drug |