**D01:** Find drug concept by concept ID

This is the lookup for obtaining drug concept details associated with a concept identifier. This query is intended as a tool for quick reference for the name, class, level and source vocabulary details associated with a concept identifier.  
This query is equivalent to [G01](http://vocabqueries.omop.org/general-queries/g1), but if the concept is not in the drug domain the query still returns the concept details with the Is\_Drug\_Concept\_Flag field set to ‘No’.

**Sample query:**

SELECT

C.concept\_id Drug\_concept\_id,

C.concept\_name Drug\_concept\_name,

C.concept\_code Drug\_concept\_code,

C.concept\_class\_id Drug\_concept\_class,

C.standard\_concept Drug\_concept\_level,

C.vocabulary\_id Drug\_concept\_vocab\_id,

V.vocabulary\_name Drug\_concept\_vocab\_code,

/\*( CASE C.vocabulary\_id

WHEN 'RxNorm' THEN

CASE lower(C.concept\_class\_id)

WHEN 'clinical drug' THEN 'Yes'

WHEN 'branded drug' THEN 'Yes'

WHEN 'ingredient' THEN 'Yes'

WHEN 'branded pack' THEN 'Yes'

WHEN 'clinical pack' THEN 'Yes'

ELSE 'No' END

ELSE 'No' END) Is\_Drug\_Concept\_flag \*/

(CASE C.domain\_id WHEN 'Drug' THEN 'Yes' ELSE 'No' END) Is\_Drug\_Concept\_flag

FROM

full\_201706\_omop\_v5.concept C,

full\_201706\_omop\_v5.vocabulary V

WHERE

C.vocabulary\_id = V.vocabulary\_id

AND sysdate BETWEEN C.valid\_start\_date AND C.valid\_end\_date

AND C.concept\_id = 1545999;

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| Concept ID | 1545999 | Yes | Concept Identifier from RxNorm for ‘atorvastatin 20 MG Oral Tablet [Lipitor]’ |
| As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Drug\_Concept\_ID | Concept Identifier entered as input |
| Drug\_Concept\_Name | Name of the standard drug concept |
| Drug\_Concept\_Code | Concept code of the standard drug concept in the source vocabulary |
| Drug\_Concept\_Class | Concept class of standard drug concept |
| Drug\_Concept\_Level | Level of the concept if defined as part of a hierarchy |
| Drug\_Concept\_Vocab\_ID | Vocabulary the standard drug concept is derived from as vocabulary ID |
| Drug\_Concept\_Vocab\_Name | Name of the vocabulary the standard drug concept is derived from |
| Is\_Drug\_Concept\_Flag | Flag indicating whether the Concept ID belongs to a drug concept ‘Yes’ if drug concept, ‘No’ if not a drug concept |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Drug\_Concept\_ID | 1545999 |
| Drug\_Concept\_Name | atorvastatin 20 MG Oral Tablet [Lipitor] |
| Drug\_Concept\_Code | 617318 |
| Drug\_Concept\_Class | Branded Drug |
| Drug\_Concept\_Level | 1 |
| Drug\_Concept\_Vocab\_ID | 8 |
| Drug\_Concept\_Vocab\_Name | RxNorm |
| Is\_Drug\_Concept\_Flag | No |