

# Package ‘DOPE’

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**Title** Drug Ontology Parsing Engine

**Version** 1.0.4

**Description** Provides information on drug names (brand, generic and street) for drugs tracked by the DEA. There are functions that will search synonyms and return the drug names and types. The vignettes have extensive information on the work done to create the data for the package.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Depends** R (>= 2.10)

**Imports** dplyr

**Suggests** dm, knitr, rmarkdown, conflicted, purrr, readr, readxl, rvest, sqldf, stringr, tidyr, tibble, testthat, usethis, xml2

**VignetteBuilder** knitr

**NeedsCompilation** no

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compress_lookup	<i>Collapse Redundant Rows of a Lookup Table</i>
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## Description

Given a Drug Lookup table as returned by the function `lookup`, collapse rows from unwanted columns

## Usage

```
compress_lookup(
  lookupTable,
  compressCategory = FALSE,
  compressClass = FALSE,
  compressSynonym = TRUE,
  sortOutput = FALSE
)
```

## Arguments

lookupTable	A lookup table with class <code>data.frame</code> having three columns: drug category, drug class, and drug street name. These tables are returned by the function <code>lookup</code> .
compressCategory	Should the drug category be collapsed? Defaults to <code>FALSE</code> .
compressClass	Should the drug class be collapsed? Defaults to <code>FALSE</code> .
compressSynonym	Should the drug synonym / street name be collapsed? Defaults to <code>TRUE</code> .
sortOutput	Sort alphabetically rows of the returned table. Defaults to <code>FALSE</code> (maintaining the row order of the original <code>lookupTable</code> object).

## Value

A compressed lookup table, with unwanted columns removed.

## Examples

```
longExampleTable <- lookup("dope", "methamphetamine")
compress_lookup(longExampleTable)
compress_lookup(longExampleTable, compressClass = TRUE)
```

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dea_brands	<i>Drug brand info</i>
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**Description**

A dataset containing a unique record for each the drug classes and their respective brand names.

**Usage**

```
data(dea_brands)
```

**Format**

A tibble with 28 rows and 2 variables:

**class** the drug class

**brands** Drug brand name

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dea_controlled	<i>Drug controlled substance synonyms</i>
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**Description**

A dataset containing

**Usage**

```
data(dea_controlled)
```

**Format**

A tibble with 29 rows and 3 variables:

**substance** formal drug name

**number** DEA number

**schedule** drug schedule number

**narcotic** Yes No indicator if the drug is a narcotic

**synonym** synonym name

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dea\_factsheets      *Drug ontology information from <https://www.dea.gov/factsheets>*

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### Description

A dataset containing a record for each drug class listed on <https://www.dea.gov/factsheets>, the category in which that drug belongs in and path to the factsheet.

### Usage

```
data(dea_factsheets)
```

### Format

A tibble with 29 rows and 3 variables:

**category** the drug category

**class** the drug class

**fact\_path** the unique path to the drug's factsheet

### Source

<https://www.dea.gov/factsheets>

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dea\_street\_names      *Drug slang from DEA's DIR-020-17 Drug Slang Code Words.pdf*

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### Description

A dataset containing slang provided by the DEA

### Usage

```
data(dea_street_names)
```

### Format

A tibble with 1734 rows and 3 variables:

**class** DEA drug class

**brand** Brand name of drug

**slang** slang name

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lookup	<i>Make a table with the category and class for a drug name</i>
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**Description**

This function provides a table with drug category and class information all of the known drugs.

**Usage**

```
lookup(..., searchCategory = TRUE, searchClass = TRUE, searchSynonym = TRUE)
```

**Arguments**

... multiple strings holding possible possible drug names

searchCategory Should the substances listed in ... be searched for in column category? Defaults to TRUE.

searchClass Should the substances listed in ... be searched for in column class? Defaults to TRUE.

searchSynonym Should the substances listed in ... be searched for in column synonym? Defaults to TRUE.

**Value**

A lookup table with class data.frame having three columns: drug category, drug class, and drug street name.

**Examples**

```
lookup("zip", "shrooms")
```

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lookup_df	<i>A lookup table with drug category, class, and synonyms</i>
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**Description**

A dataset containing a record for each drug synonym

**Usage**

```
data(lookup_df)
```

**Format**

A tibble with 29 rows and 3 variables:

**category** the drug category

**class** the drug class

**synonym** drug synonym

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noslang\_raw

*Drug terms from <https://www.noslang.com/drugs/dictionary>*

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**Description**

A dataset containing a record for a drug related term and it's description. This contains both drug names and other things like drug amounts.

**Usage**

```
data(noslang_raw)
```

**Format**

A tibble with 3172 rows and 2 variables:

**street\_name** Slang term

**description** Text description of drug term

**Source**

[www.noslang.com](http://www.noslang.com)

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noslang\_street\_names

*Drug slang from <https://www.noslang.com/drugs/dictionary>*

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**Description**

A dataset containing a record for a drug slang term and it's description.

**Usage**

```
data(noslang_street_names)
```

**Format**

A tibble with 3172 rows and 2 variables:

**street\_name** Slang term

**description** Text description of drug term

*noslang\_street\_names*

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**Source**

[www.noslang.com](http://www.noslang.com)

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