Package 'classyfireR'

August 8, 2019

11agast 0, 2017
Type Package
Title R Interface to the ClassyFire RESTful API
Version 0.2.2
Date 2019-08-08
Description Access to the ClassyFire RESTful API http://classyfire.wishartlab.com . Retrieve existing entity classifications and submit new entities for classification.
Depends magrittr
Imports httr, jsonlite, tibble, crayon, clisymbols, purrr, dplyr, stringr
Suggests testthat, covr, tidyr
License GPL (>= 3)
Encoding UTF-8
LazyData true
<pre>URL https://github.com/aberHRML/classyfireR</pre>
<pre>BugReports https://github.com/aberHRML/classyfireR/issues</pre>
RoxygenNote 6.1.1
Roxygen list(markdown = TRUE)
NeedsCompilation no
Author Tom Wilson [aut, cre] (https://orcid.org/0000-0003-3112-4682), Jasen Finch [aut]
Maintainer Tom Wilson <tpw2@aber.ac.uk></tpw2@aber.ac.uk>
R topics documented:
get_classification
Index

2 get_classification

Description

Retrieve entity classification from 'http://classyfire.wishartlab.com/entities/'

Usage

```
get_classification(inchi_key)
```

Arguments

inchi_key a character string of a valid InChIKey

Value

a tibble containing the following;

- Level Classification level (kingdom, superclass, class and subclass)
- Classification The compound classification
- CHEMONT Chemical Ontology Identification code

Examples

```
# Valid InChI key where all four classification levels are available
get_classification('BRMWTNUJHUMWMS-LURJTMIESA-N')
# Valid InChI key where only three classification levels are available
get_classification('MDHYEMXUFSJLGV-UHFFFAOYSA-N')
# Invalid InChI key
get_classification('MDHYEMXUFSJLGV-UHFFFAOYSA-B')
# Using `dplyr` a vector of InChI Keys can be submitted and easily parsed
 library(dplyr)
 library(purrr)
 library(tidyr)
keys <- c(
'BRMWTNUJHUMWMS-LURJTMIESA-N',
'XFNJVJPLKCPIBV-UHFFFAOYSA-N',
'TYEYBOSBBBHJIV-UHFFFAOYSA-N',
'AFENDNXGAFYKQO-UHFFFAOYSA-N')
classification_list <- map(keys, get_classification)</pre>
```

get_classification 3

Index

 ${\tt get_classification, 2}$