

Package ‘golmDB’

March 5, 2021

Type Package

Title Parse the Golm database

Version 0.1.1

Description Parse the Golm GC-MS database.

Depends methods,
magrittr

Imports dplyr,
stringr,
crayon,
cli,
tibble,
purrr

License GPL (>= 3)

Encoding UTF-8

LazyData true

RoxygenNote 7.1.0

Suggests testthat,
knitr,
rmarkdown

Collate 'allClasses.R'
'allGenerics.R'
'cleanNames.R'
'fillAccessionObject.R'
'findIdentifier.R'
'openGolmDB.R'
'searchDB-method.R'
'show-method.R'

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

R topics documented:

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cleanNames	<i>Clean Accession Names</i>
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Description

Clean Accession Names

Usage

```
cleanNames(object)

## S4 method for signature 'GolmDB'
cleanNames(object)
```

Arguments

object a GolmDB S4 class

Value

a GolmDB class

fillAccessionObject	<i>Create Accession Object</i>
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Description

Create Accession Object

Usage

```
fillAccessionObject(x)
```

Arguments

x a list element from a split Golm database

Value

a GolmAccession object

findIdentifier	<i>Find Compound Identifier</i>
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Description

Find Compound Identifier

Usage

findIdentifier(object)

Arguments

object a GolmAccession object

Value

a GolmAccession object

GolmAccession-class	<i>Golm Accession Class</i>
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Description

Golm Accession Class

Slots

spectra

GolmDB-class	<i>Golm Database Class</i>
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Description

Golm Database Class

openGolmDB	<i>Parse the Golm Database</i>
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Description

Parse the Golm Database

Usage

```
openGolmDB(GolmInput)
```

Arguments

GolmInput a valid file path for a Golm database file in MSP format

Value

a GolmDatabase object

searchDB	<i>Search Database</i>
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Description

Search Database

Usage

```
searchDB(object, pattern)

## S4 method for signature 'GolmDB'
searchDB(object, pattern)
```

Arguments

object a GolmDB S4 class
pattern a character string to search for

Value

a GolmDB class containing on the accessions which matched the search pattern

`show, GolmAccession-method`
show-GolmAccession

Description

`show-GolmAccession`
`show-GolmDB`

Usage

```
## S4 method for signature 'GolmAccession'  
show(object)  
  
## S4 method for signature 'GolmDB'  
show(object)
```

Arguments

`object` a GolmDB object

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