

Package ‘pk.unit.trans’

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Type Package

Title Achieve Numerical Conversion Between Units Commonly Used in Pharmacokinetics

Version 0.1.0

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Description Achieve internal conversions of mass units, molar units, and volume units commonly used in pharmacokinetics, as well as conversions between mass units and molar units.

Imports stringi(>= 1.8.4), maditr (>= 0.8.4)

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Depends R (>= 4.1.0)

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

Repository CRAN

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Contents

unit_trans	2
Index	3

unit_trans	<i>pk.unit.trans</i>
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Description

Achieve numerical conversion between units commonly used in pharmacokinetics. such as: mg to ng, nmol to mol, ml to L, noml to mg, nmol/L to ng/mL.

Usage

```
unit_trans(value, from, to, mw = NULL)
```

Arguments

value	Vector or 1 column form data frame, Must be numeric.
from	Vector or 1 column form data frame, Must be character.
to	Vector or 1 column form data frame, Must be character.
mw	molecular weight, Vector or 1 column form data frame, Must be numeric.

Value

Numerical Vector.

Examples

```
unit_trans(1,"nmol/L","ng/mL",mw=150000) #return 150
unit_trans(1,"nM","ng/mL",mw=150000) #return 150
unit_trans(1,"nmol","mg",mw=150000) #return 0.15
unit_trans(1,"mg","ug") #return 1000
unit_trans(1,"mL","uL") #return 1000
```

Index

`unit_trans`, [2](#)