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Word Maps



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Taxonomic Word Maps

- Visualization of the publication context of each organism
- Only words from PubMed titles and abstracts with the highest organism specificity
- Different font sizes to mark the relevance



onion chip a canker anthracnose





On the result page...

Taxonomic Word Maps

flesh plum E guava

SU expan

pea

rosaceae

amylovora

anana birch

allergen pomegranate

cherry watch _b

apricot flavanols cashew

procyanidins

S

leliciou ripening

σ

anthocy

patulin

raspberry cranberry



- Only words from PubMed titles and abstracts with the highest organism specificity
- Different font sizes to mark the relevance
- Classification into enzyme, organism, ligand, human disease, plant disease, plant trait, plant pathogen, useful organism and habitat
- Various colors depending on the category
- Links to the respective BRENDA query page (in the mouseover box)









On the result page...

Taxonomic Word Maps



 The word map displays all published information linked to the searched organism:

 • enzyme

 • other organisms

 • ligands

 • human diseases

 • plant traits

 • plant pathogens

 • habitats

go to	
HOME	
Classic view	

On the result page...





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Taxonomic Word Maps



go to	
HOME	
Classic view	

On the result page...





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Taxonomic Word Maps



By clicking on the ligand name you	anthocyanins Clos	e
will you be lead (if available) to	Ligand anthocyanin	
the Ligand Summary Page	anthocyanins	

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Taxonomic Word Maps



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BRENDA home

Organism related Information

Bibliography/Links/Disease



TaxTre

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👜 print visible entries print all entries Show full version of

Information on Organism Fragaria x ananassa

Synonyms:

Fragaria ananassa; Fragaria chiloensis x Fragaria virginiana; Fragaria virginiana x Fragaria chiloensis; Fragaria x ananassa; Fragaria x ananassa (Weston) Duchesne ex Rozier; strawberry; Fragraria x ananassa;

	the organism ournmary i
TaxTree of Organism Fragaria x ananassa	
Condensed Tree View	
L cellular organisms	
L Eukaryota 🖪 🕞 (superkingdom)	
└ Viridiplantae III (→(kingdom)	
L Streptophyta 🖪 🔾 (phylum)	
L Streptophytins 🖪 (subphylum)	
L Embryophyta 🖪 斗 (clade)	
L Tracheophyta 🖪 🖓 (clade)	
L Euphyllophyta 🗷 🖓 (dade)	
L Spermatophyta 🖪 斗 (dade)	
L Magnoliopsida 🖪 🖓 (class)	
L Mesangiospermae 🖪 (dade)	
L eudicotyledons 🖪 🔾 (clade)	
L Gunneridae 🗷 🖓 (clade)	
L Pentapetalae 🖪 (clade)	
L rosids 🖪 🖓 (clade)	
L fabids 🖪 (clade)	
L Rosales 🖪 🕞 (order)	
L Rosaceae II (-(family)	
L Rosoideae 🔳 🕞 (subfamily)	
L Potentilleae 🖪 (tribe)	
L Fragariinae 🔳 🔂 (subtribe)	
L Fragaria 🖪 🖓 (genus)	
L Fragaria x ananassa 🗉 🔾 (s	species)

...to get more detailed information on:

COMME
-
-
-
-

△ top print hide 50 entries

- synonyms
- the classification in TaxTree
- all the enzymes of the organism in BRENDA
- source / tissue and localization entries
- further links to the NCBI Taxonomy, PubMed, and Genomes





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EC Ó

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Refine search

Search Enzyme Names (Synonyms)

Search term: deoxyhypusine synthase

download all results as CSV						
EC Number 🔨	Recommended Name 🔨	Synonyms 🔨	Commentary 🔨			
்ற் 1.1.1.249	[protein elF-5A]-deoxyhypusine synthase	[protein elF-5A]-deoxyhypusine synthase	deleted, reinstated as EC 2.5.1.46			
≇r⊚ 🛱 1.14.99.29	deoxyhypusine monooxygenase	deoxyhypusine synthase/hydroxylase	-			
#☆ @ 2.5.1.46	deoxyhypusine synthase	deoxyhypusine synthase, deoxyhypusine synthase (Caulobacter crescentus gene CC0359), deoxyhypusine synthase (Halobacterium strain NRC-1 gene dhs), deoxyhypusine synthase (human clone 30649 gene DHPS subunit reduced), deoxyhypusine synthase (Nicotiana tabacum gene DHS1), deoxyhypusine synthase (Senecio vernalis gene DHS1)	-			

download as CSV download all results as CSV

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word			Clickin will op Map in windo	ng on the ic ben the Wo n a pop-up bw	on ord	

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Refine search

Search Enzyme Names (Synonyms)

Search term: deoxyhypusine synthase



BRENDA home BHistory show all hide all No of entries DEpartment Nomenclature 74	The Comprehensive Enzyme Information Sys	technische Breunschweig stem ● login II history II all enzyme
Enzyme Nomenclature 74	Information on EC 2.5.1.46 - deoxybynusi	ino cynthaco
Diseases 28		ille svillidse
+ Functional Parameters 104	for references in articles please use BRENDA.EC2.5.1.46	or you can go the Enzyme
Organism related 137 Information	EC Tree └ 2 Transferases	Summary Page to display
General Information 72	L 2.5 Transferring alkyl or aryl groups, other than methyl groups	the Word Map and get
Enzyme Structure 2171	∠ 2.5.1 Transferring aikyl or aryl groups, other than methyl groups (only sub-s └2.5.1.46 deoxyhypusine synthase └2.5.1.46 deoxyhypusine synthase └2.5.1.46 deoxyhypusine synthase	further information
+ Molecular Properties 52		
Applications 3	The eukarvotic initiation factor eIF5A contains a hypusine residue that is essential for	activity. This enzy the first reaction of hypusine formation from one
References 62	specific lysine residue of the eIF5A precursor. The reaction occurs in four steps: NAD-	+-dependent dehyd of spermidine (1a), formation of an enzyme-
✓ External Links	of the same 4-aminobutylidene group from the enzyme intermediate to the e1F5A precisioue (1d). Hence the overall reaction is transfer of a 4-aminobutyl group. For the pl substitute for the lysine residue of the eIF5A precursor. Hypusine is formed from deoxy	cursor (1c), reduction of 5A-imine intermediate to form a deoxyhypusine an substitute for spermidine and putrescine can substitute for spermidine and putrescine can 14.99.29, deoxyhypusine monooxygenase.
	Specify your search results	ord Map hide
	Mark a special word or phrase in this record: Mark!	butylamine polvamine gc7
	Search Reference ID: Search	minobutylation deoxyhypusine-containing _{eif5a-1} nepsilon-4-amino-2-hydroxybutyllysine
	Search UniProt Accession: Search	₩ ₩ 2 5 1 16 ^{1,3-diaminopropane}
	Select one or more organisms in this record: 🔟	
	All organisms Arabidopsis thaliana Arabidopsis thaliana Col-0 Bos taurus Brassica napus V	augusti friedunitoiteputite izi homospermidine by by by by by by by by by by by by by
	Show additional data	
	Do not include text mining results	
	○ Include FRENDA results (AMENDA + additional results, but less precise)	