

(13) Today

Chap 3: Amino Acids, Peptides, and Proteins

Chap 4: Proteins

Next Class (14)

Chap 3: Amino Acids, Peptides, and Proteins

Chap 4: Proteins

(15) Second Class from Today

Test Chap 1 (skipping 1.4) Chap 2, and Chap
3.1 - 3.1.8, 3.2.1

Third Class from Today (16)

Chap 4

Today's Office Hours are canceled. I have an on-campus meeting.

Biochem Test 1 on Wed. Feb 26, one week from today

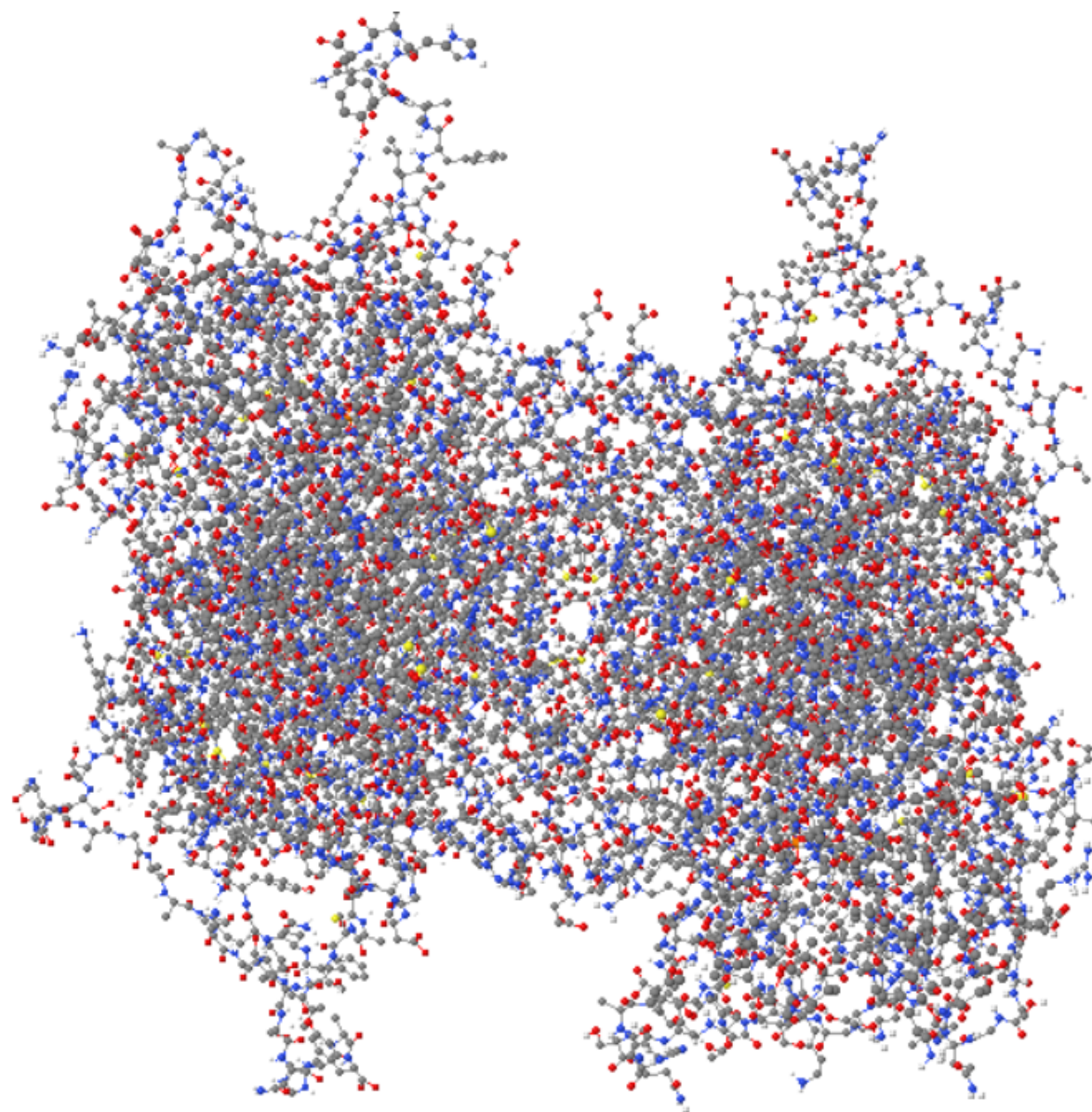
Chap 1 (skipping 1.4) Chap 2, and Chap 3.1 - 3.2.1

On-line review session, Tuesday Feb 25 from 7:30 to 9:00 at the regular class URL.

I will send a new email with the link.

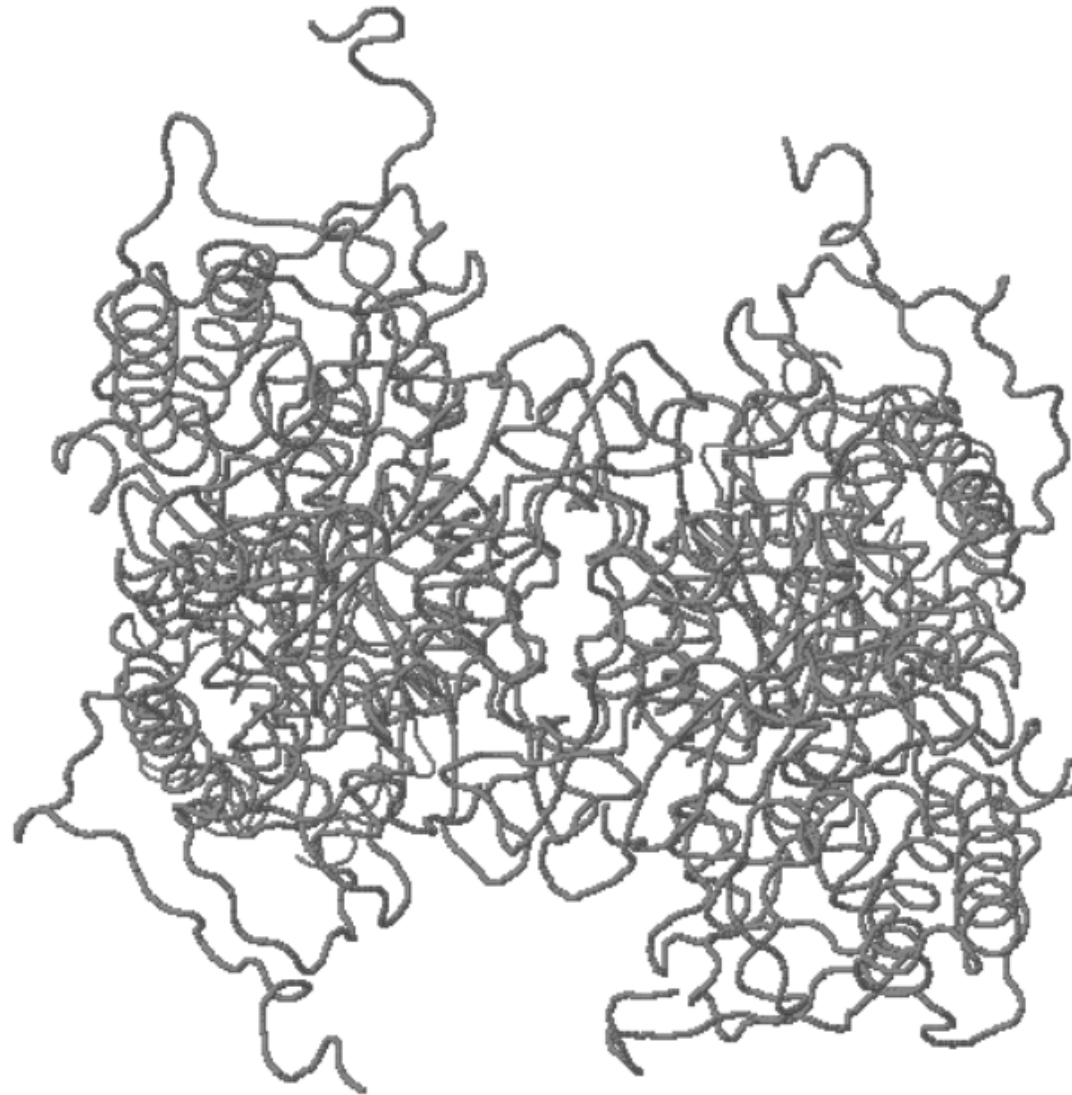
Structure Function: https://www.westfield.ma.edu/cmasi/biochem/2ndary_struct/structure-functn-plain.html

Examine the model and explain how the structure of the protein/the location of the various types of amino acids make it possible for this protein to play the role of a potassium ion channel.



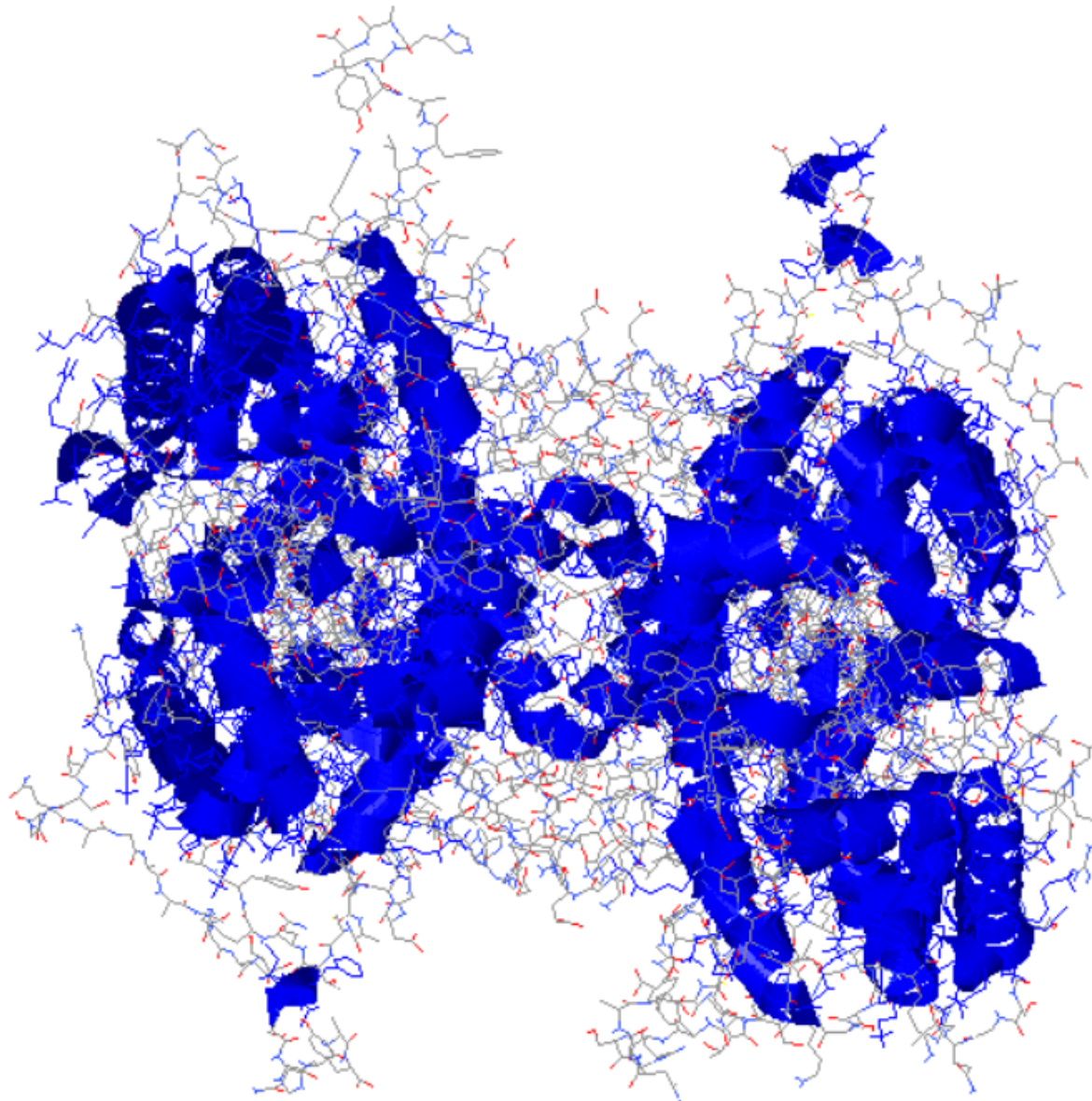
JSmol

fructose-1,6-bisphosphate aldolase from rabbit muscle
downloaded from <https://www.rcsb.org/structure/1ADO>



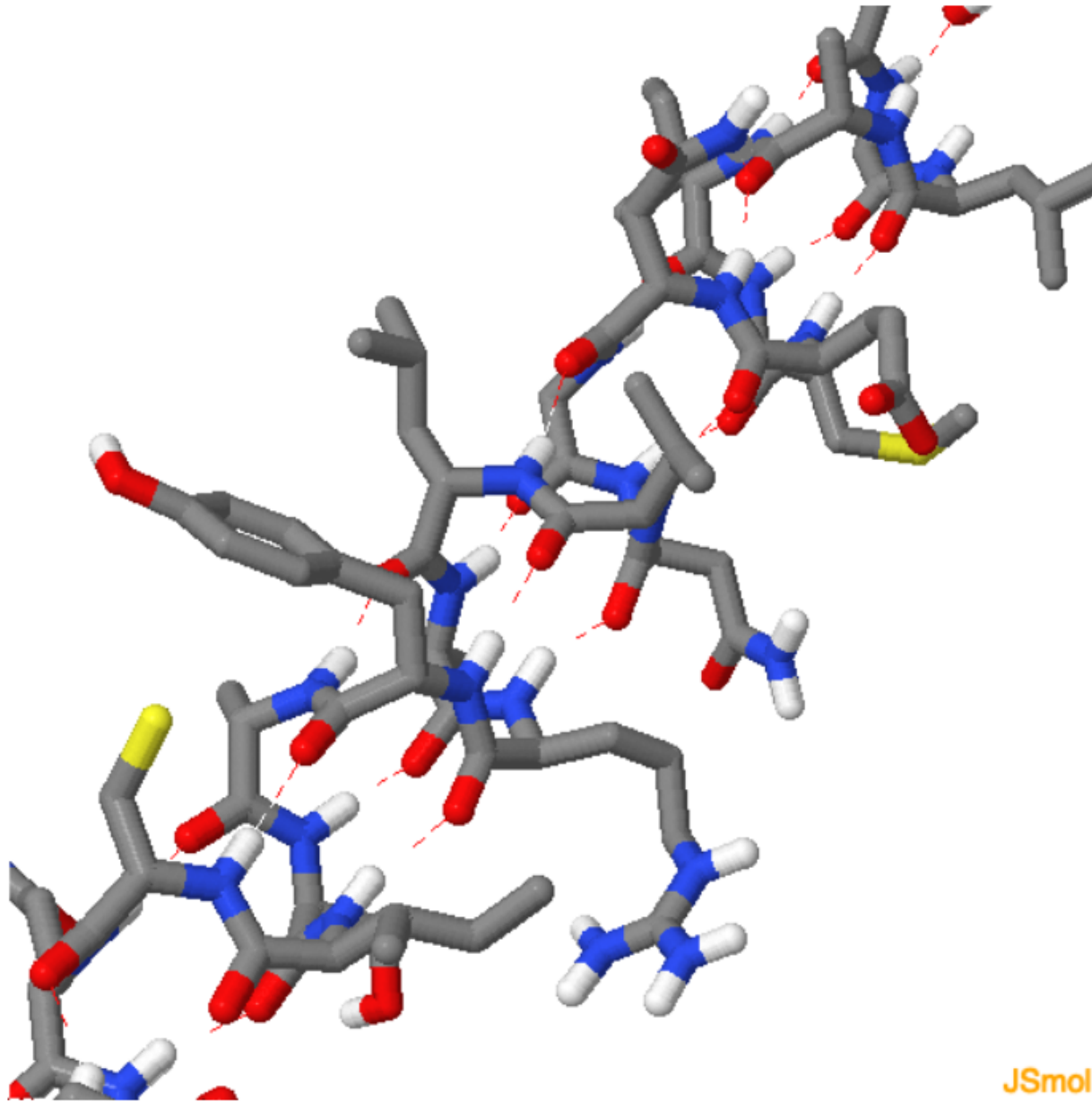
JSmol

fructose-1,6-bisphosphate aldolase from rabbit muscle
downloaded from <https://www.rcsb.org/structure/1ADO>

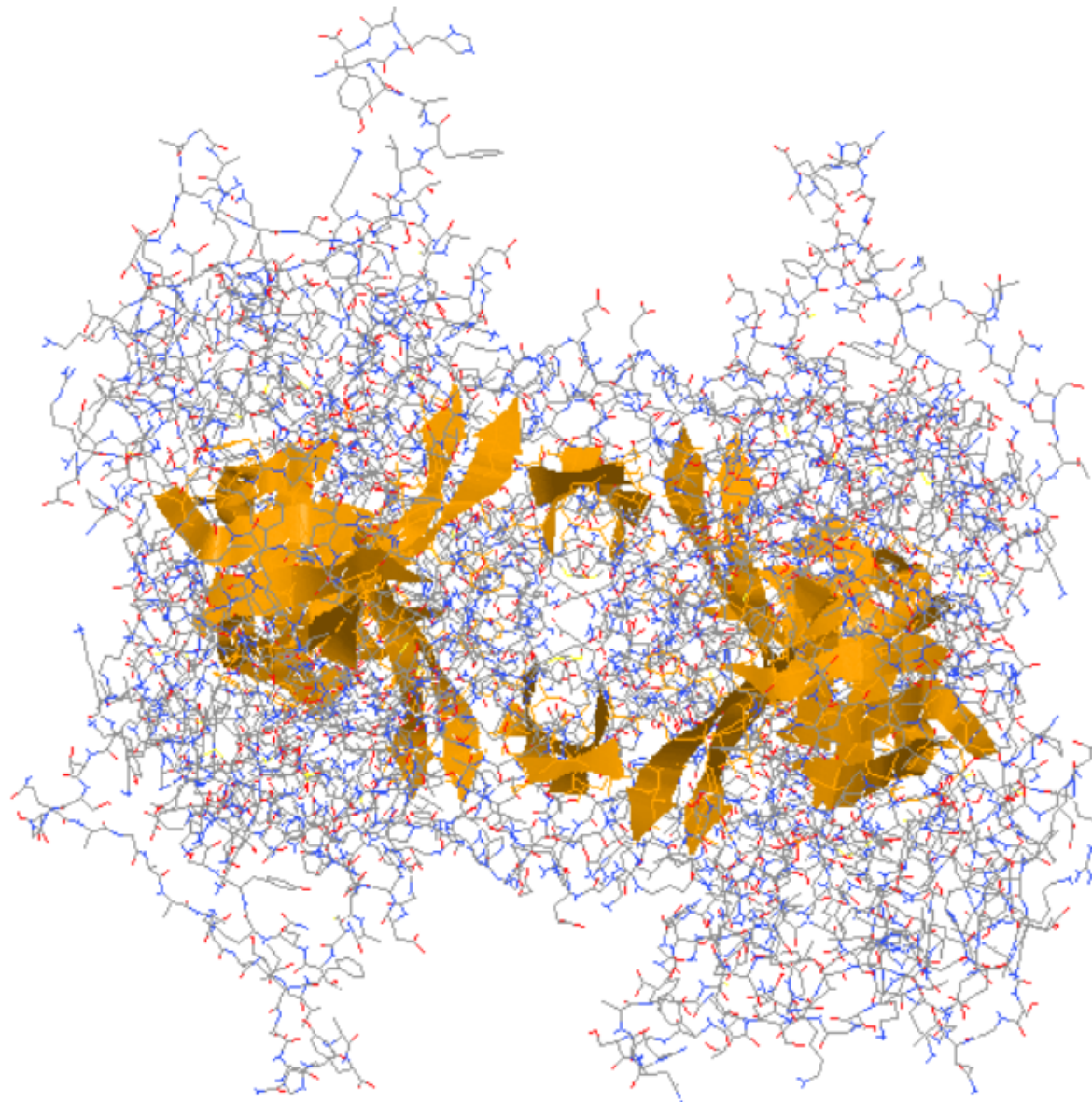


JSmol

fructose-1,6-bisphosphate aldolase from rabbit muscle
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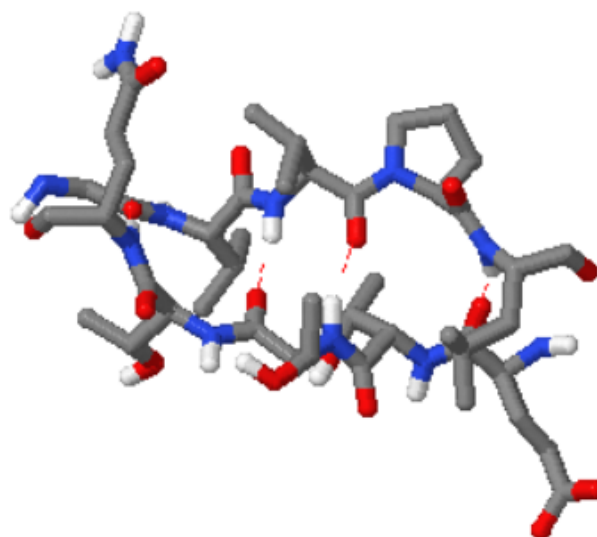


fructose-1,6-bisphosphate aldolase from rabbit muscle
downloaded from <https://www.rcsb.org/structure/1ADO>



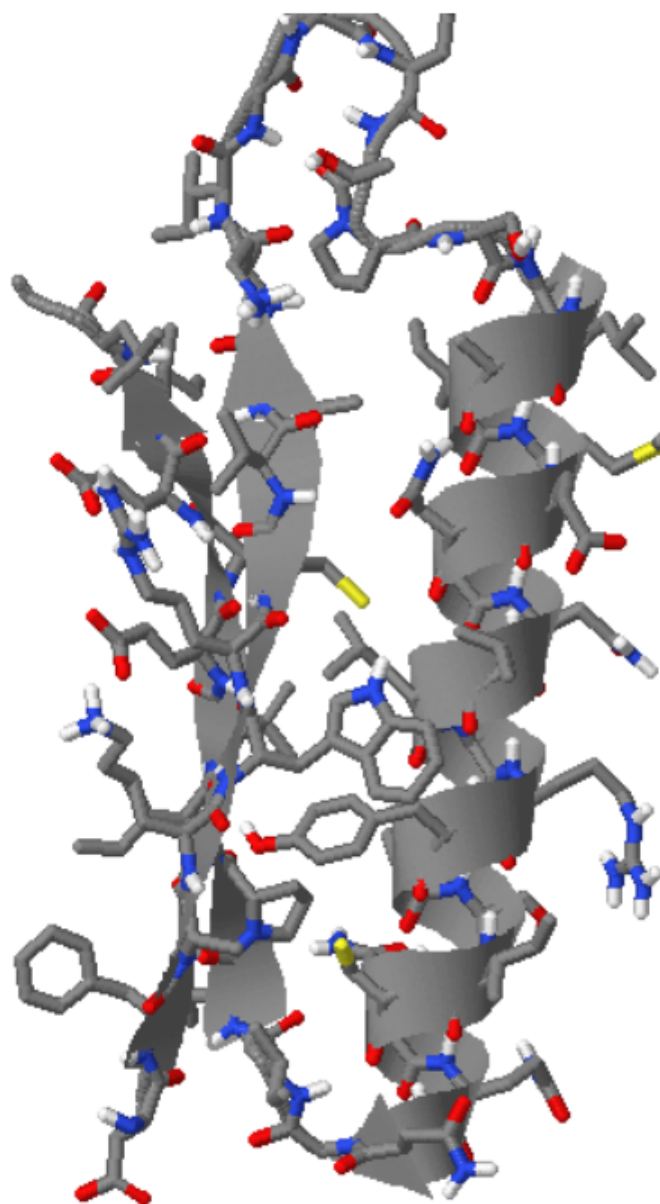
JSmol

fructose-1,6-bisphosphate aldolase from rabbit muscle
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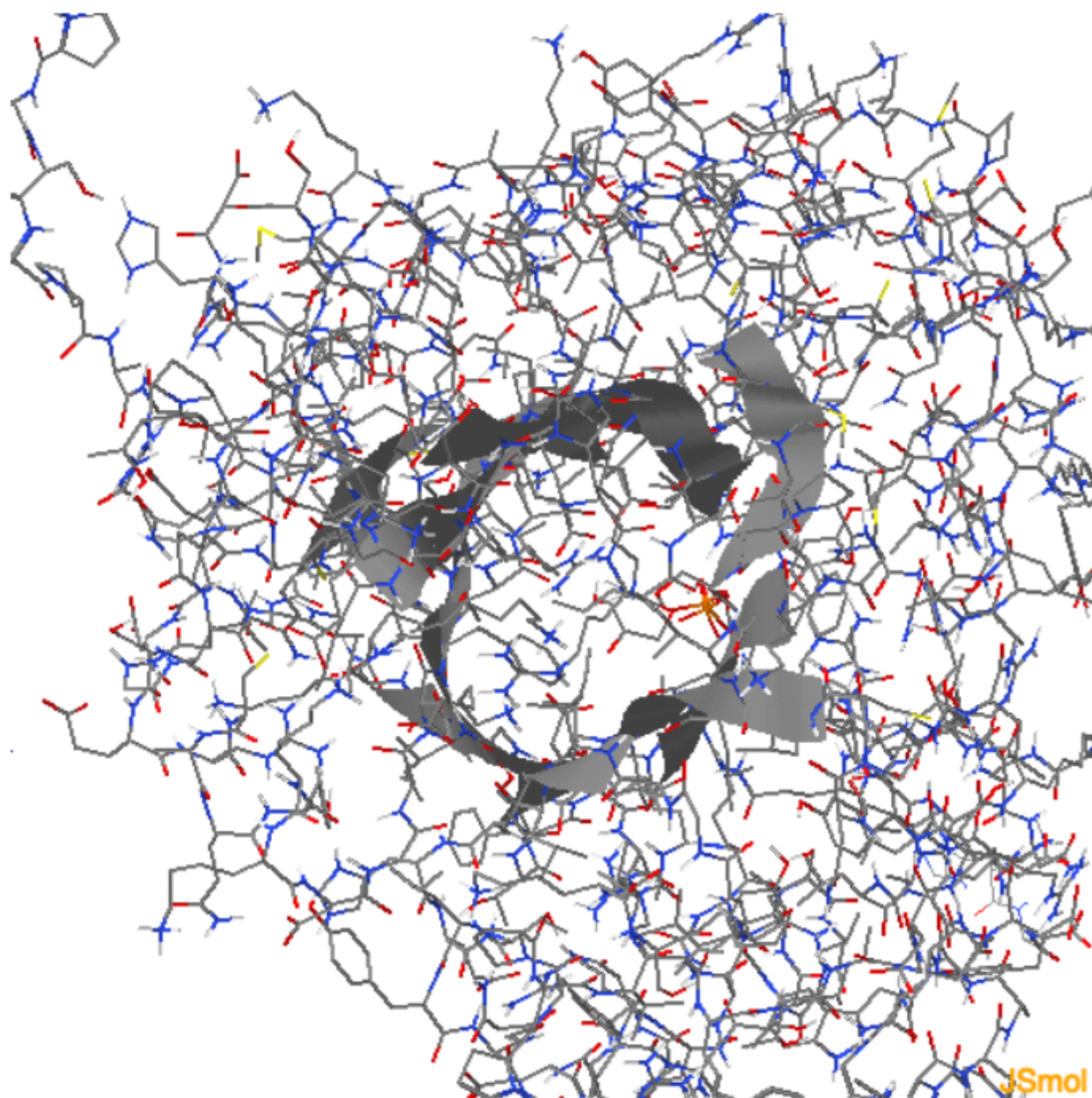
JSmol

fructose-1,6-bisphosphate aldolase from rabbit muscle
downloaded from <https://www.rcsb.org/structure/1ADO>

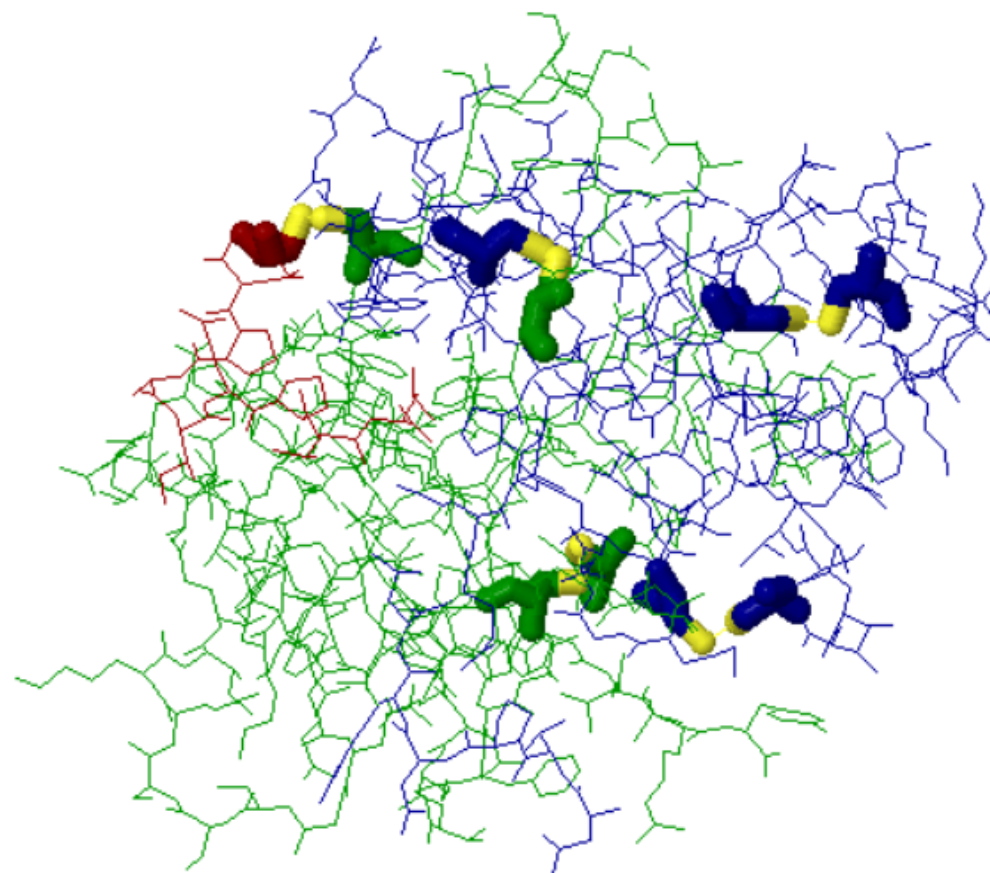


JSmol

fructose-1,6-bisphosphate aldolase from rabbit muscle
downloaded from <https://www.rcsb.org/structure/1ADO>

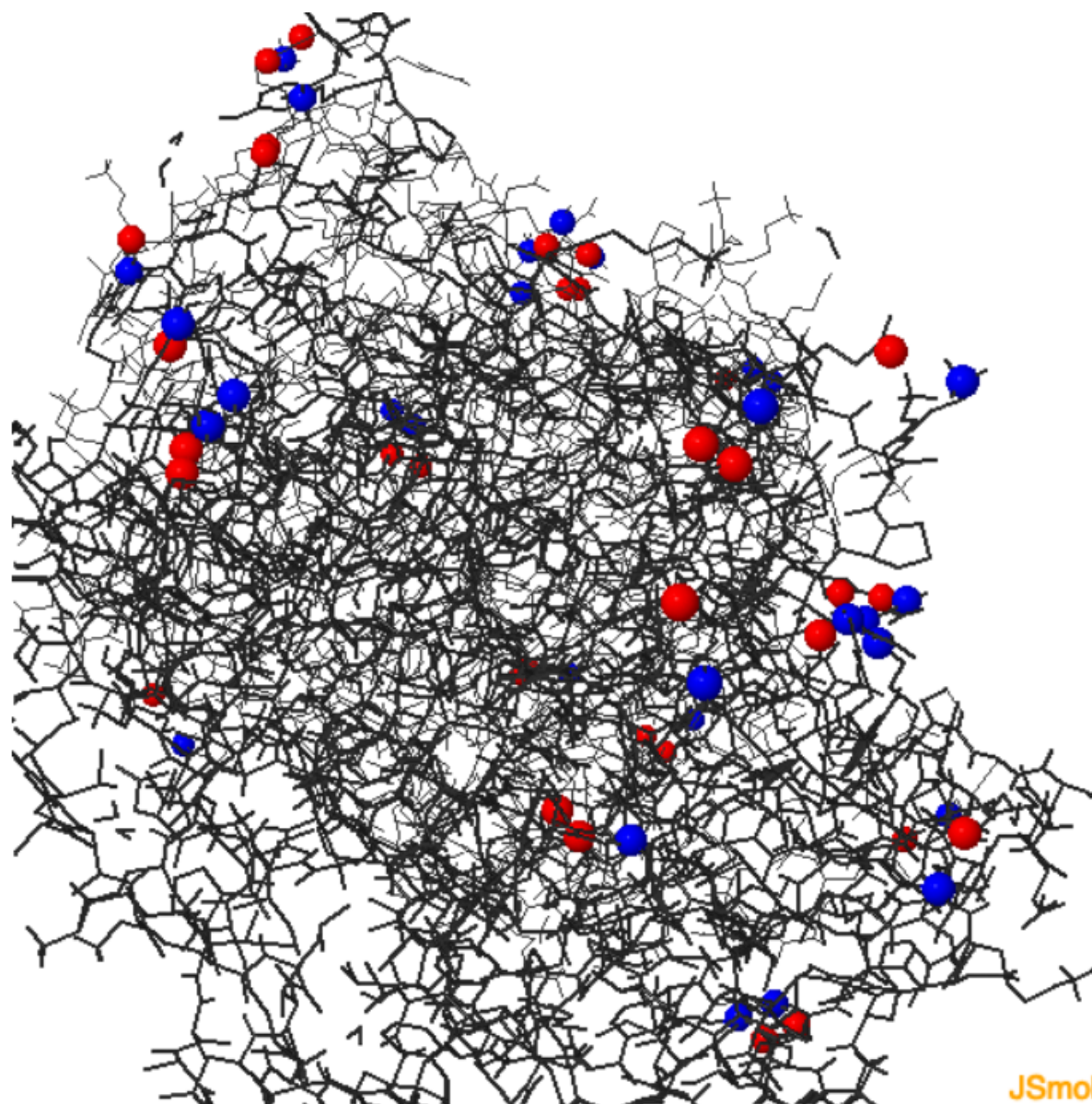


fructose-1,6-bisphosphate aldolase from rabbit muscle
downloaded from <https://www.rcsb.org/structure/1ADO>

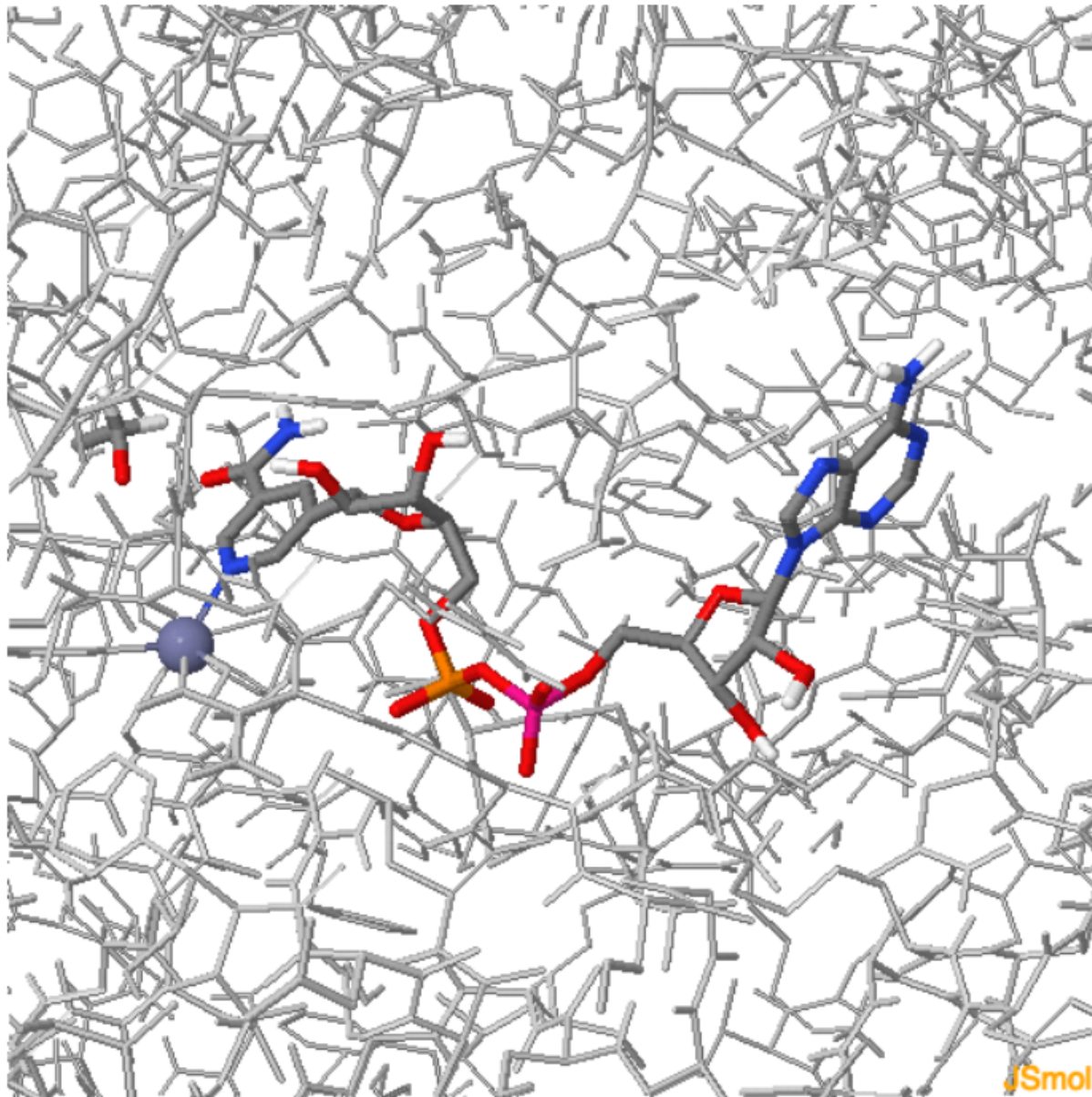


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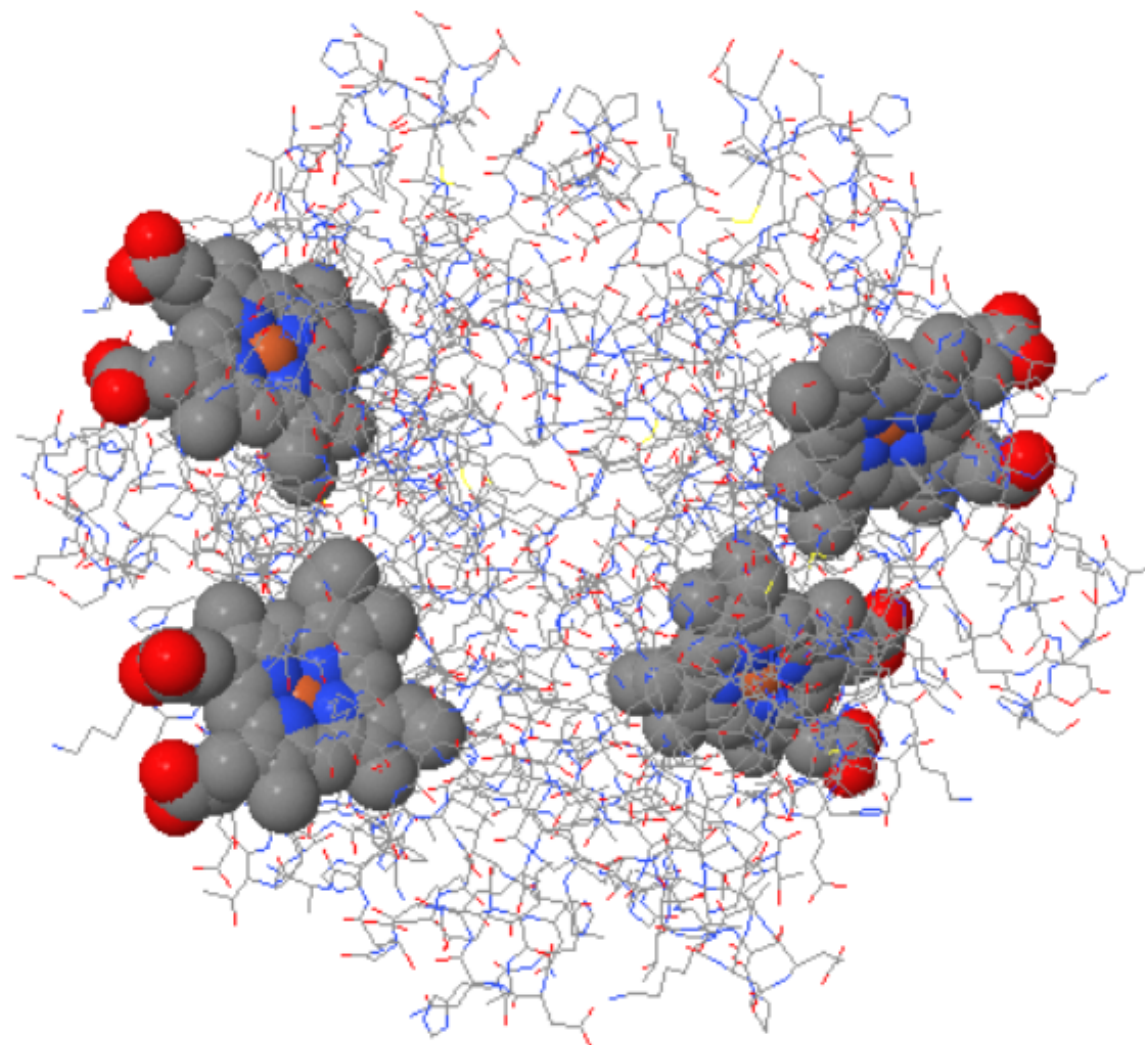
bovine γ -chymotrypsin complexed with D-leucyl-L-phenylalanyl-P-fluorobenzamide, an inhibitor of chymotrypsin
downloaded from <https://www.rcsb.org/structure/1AFQ>



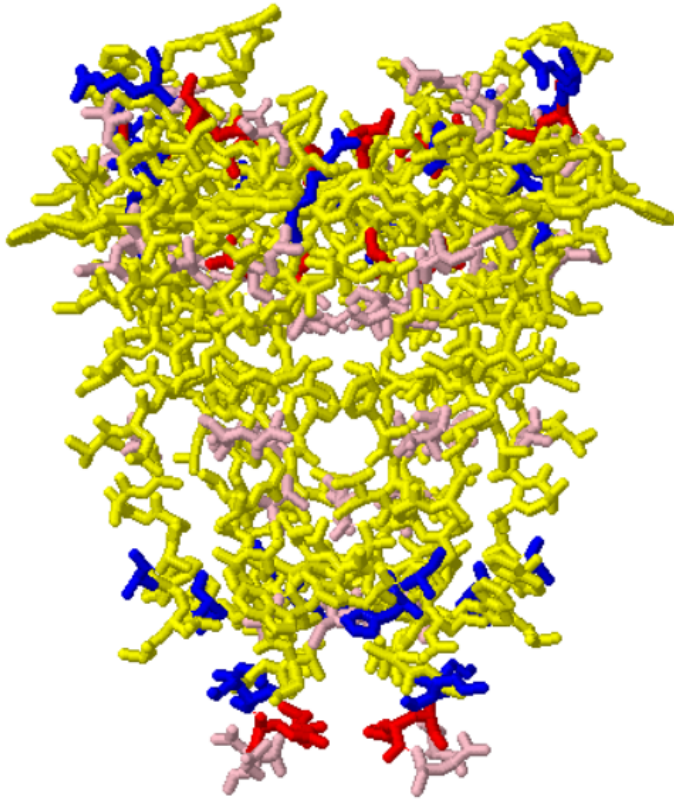
horse alcohol dehydrogenase complexed with 5- β -ribofuranosylnicotinamide adenine dinucleotide, an inhibitor of alcohol dehydrogenase
downloaded from <https://www.rcsb.org/structure/1ADB>



horse alcohol dehydrogenase complexed with 5- β -ribofuranosylnicotinamide adenine dinucleotide, an inhibitor of alcohol dehydrogenase
downloaded from <https://www.rcsb.org/structure/1ADB>

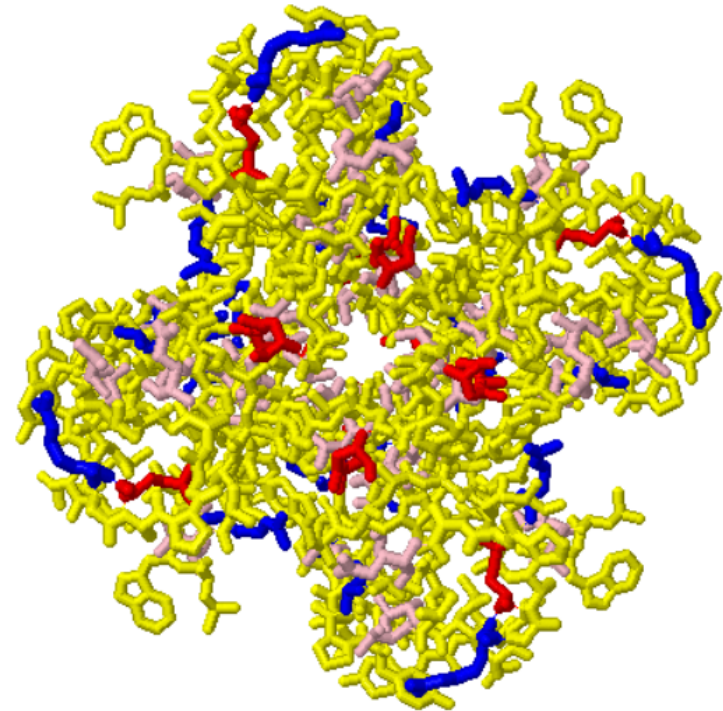


Explore secondary, tertiary, and quaternary structure on models in the website.



JSmol

potassium ion channel from streptomyces lividans
downloaded from <https://www.rcsb.org/structure/1BL8>



JSmol

potassium ion channel from streptomyces lividans
downloaded from <https://www.rcsb.org/structure/1BL8>