

### 3D ROTATABLE MOLECULAR STRUCTURES

Collected from the web by David B. Fankhauser

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The following links are to a class of images which can be rotated using the mouse. They display in a clear manner the three dimensional structure of each molecule and the role it may play in its function.

extensive library	3D molecules	<a href="http://www.3dchem.com/index.asp">http://www.3dchem.com/index.asp</a>
<b>PROTEINS</b>		
ribonuclease	2° protein structure	<a href="http://www.pdb.org/pdb/explore/jmol.do?structureId=5RSA&amp;bionumber=1">http://www.pdb.org/pdb/explore/jmol.do?structureId=5RSA&amp;bionumber=1</a>
	hydrophobicity	<a href="http://www.pdb.org/pdb/explore/jmol.do?structureId=3O19&amp;bionumber=1">http://www.pdb.org/pdb/explore/jmol.do?structureId=3O19&amp;bionumber=1</a>
	antibody structure	<a href="http://higheredbcs.wiley.com/legacy/college/boyer/0471661791/structure/antibody/antibody.htm">http://higheredbcs.wiley.com/legacy/college/boyer/0471661791/structure/antibody/antibody.htm</a>
<b>NUCLEIC ACIDS</b>		
	deoxyribonucleic acid	<a href="http://higheredbcs.wiley.com/legacy/college/boyer/0471661791/structure/dna/dna.htm">http://higheredbcs.wiley.com/legacy/college/boyer/0471661791/structure/dna/dna.htm</a>
	transfer ribonucleic acid	<a href="http://higheredbcs.wiley.com/legacy/college/boyer/0471661791/structure/tRNA/trna.htm">http://higheredbcs.wiley.com/legacy/college/boyer/0471661791/structure/tRNA/trna.htm</a>
	Adenosine Triphosphate	<a href="http://www.biotopics.co.uk/JmolApplet/atpjdisplay.htm">http://www.biotopics.co.uk/JmolApplet/atpjdisplay.htm</a>
<b>LIPIDS</b>		
myristoleic acid	mono unsaturated	<a href="http://www.3dchem.com/molecules.asp?ID=383#">http://www.3dchem.com/molecules.asp?ID=383#</a>
linoleic acid	poly unsaturated	<a href="http://www.3dchem.com/molecules.asp?ID=382#">http://www.3dchem.com/molecules.asp?ID=382#</a>
linolenic acid	omega 3 fatty acid	<a href="http://www.3dchem.com/molecules.asp?ID=240#">http://www.3dchem.com/molecules.asp?ID=240#</a>
triglyceride	glycerol ester of three fatty acids	<a href="http://www.3dchem.com/molecules.asp?ID=320#">http://www.3dchem.com/molecules.asp?ID=320#</a>
cholesterol	membrane component	<a href="http://www.3dchem.com/molecules.asp?ID=92#">http://www.3dchem.com/molecules.asp?ID=92#</a>
testosterone	male steroid hormone	<a href="http://www.pdb.org/pdb/explore/jmol.do?structureId=3KDM&amp;bionumber=1">http://www.pdb.org/pdb/explore/jmol.do?structureId=3KDM&amp;bionumber=1</a>
<b>CARBOHYDRATES</b>		
glucose		<a href="http://www.3dchem.com/molecules.asp?ID=423#">http://www.3dchem.com/molecules.asp?ID=423#</a>
galactose		<a href="http://www.3dchem.com/molecules.asp?ID=419#">http://www.3dchem.com/molecules.asp?ID=419#</a>
lactose		<a href="http://www.3dchem.com/molecules.asp?ID=58#">http://www.3dchem.com/molecules.asp?ID=58#</a>
<b>MISCELLANEOUS</b>		
cytochrome C	porphyrin	<a href="http://www.pdb.org/pdb/explore/jmol.do?structureId=2XL8&amp;bionumber=1">http://www.pdb.org/pdb/explore/jmol.do?structureId=2XL8&amp;bionumber=1</a>
cytochrome P 450	porphyrin	<a href="http://www.pdb.org/pdb/explore/jmol.do?structureId=2XFH&amp;bionumber=1">http://www.pdb.org/pdb/explore/jmol.do?structureId=2XFH&amp;bionumber=1</a>
water		<a href="http://www.3dchem.com/molecules.asp?ID=234">http://www.3dchem.com/molecules.asp?ID=234</a>

