## Structure of oxoacids of sulphur:

Various oxo acids of sulphur with their structures are given below

Name	Molecular Formula	Structure
Sulphurous acid	H <sub>2</sub> SO <sub>3</sub>	HO <sup>S</sup> OH
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	HO-S-OH
Thiosulphuric acid	H <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	S II HO_S_OH II O
Dithionous acid	H <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	O O       HO_S_S_OH
Dithionic acid	H <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	О О       HO—S—S—OH    О

Name	Molecular Formula	Structure
Disulphuric acid or pyrosulphuric acid	H <sub>2</sub> S <sub>2</sub> O <sub>7</sub>	О О    HO-S-O-S-OH    О О
Peroxymono sulphuric acid	H <sub>2</sub> SO <sub>5</sub>	0 НО-S-О-ОН    0
Peroxodisulphuric acid. Marshall's acid	H <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	0 HO-S-O-O-S-OH 0 0
Dithionic acid	H <sub>2</sub> S <sub>2</sub> O <sub>6</sub>	0 0       HO_S_S_OH       0 0
Polythionic acid	H <sub>2</sub> S <sub>n+2</sub> O <sub>6</sub>	О НО- <mark>  </mark> -(S) <sub>п</sub>       О О