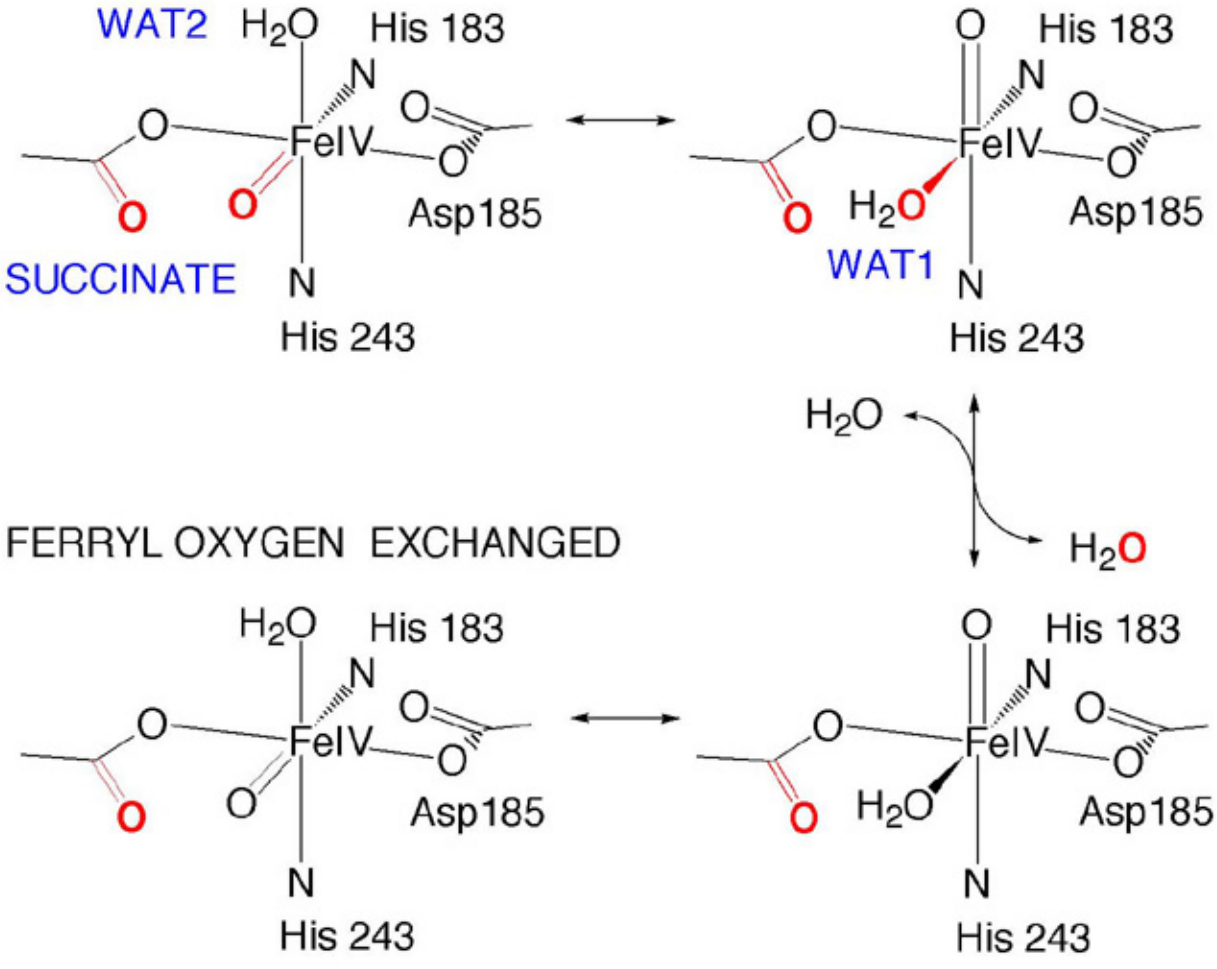
The structural basis of cephalosporin formation in a mononuclear ferrous enzyme

Valegård, Karin; Terwisscha van Scheltinga, Anke C.; Dubus, Alain; Ranghino, Graziella; Öster, Linda M.; Hajdu, Janos; Andersson, Inger

Published in:
Nature Structural %26%2338%3B Molecular Biology

DOI:
10.1038/nsmb712

Supplementary Figure 3



Oxygen exchange on the ferryl iron after the release of carbon dioxide. The structure of the succinate complex shows two solvent molecules around the iron. This arrangement could allow for a dilution of an oxygen label in the ferryl through an isomerisation reaction. It is likely that Wat1 and Wat2 would be hydroxyl ions in the ferryl structures.