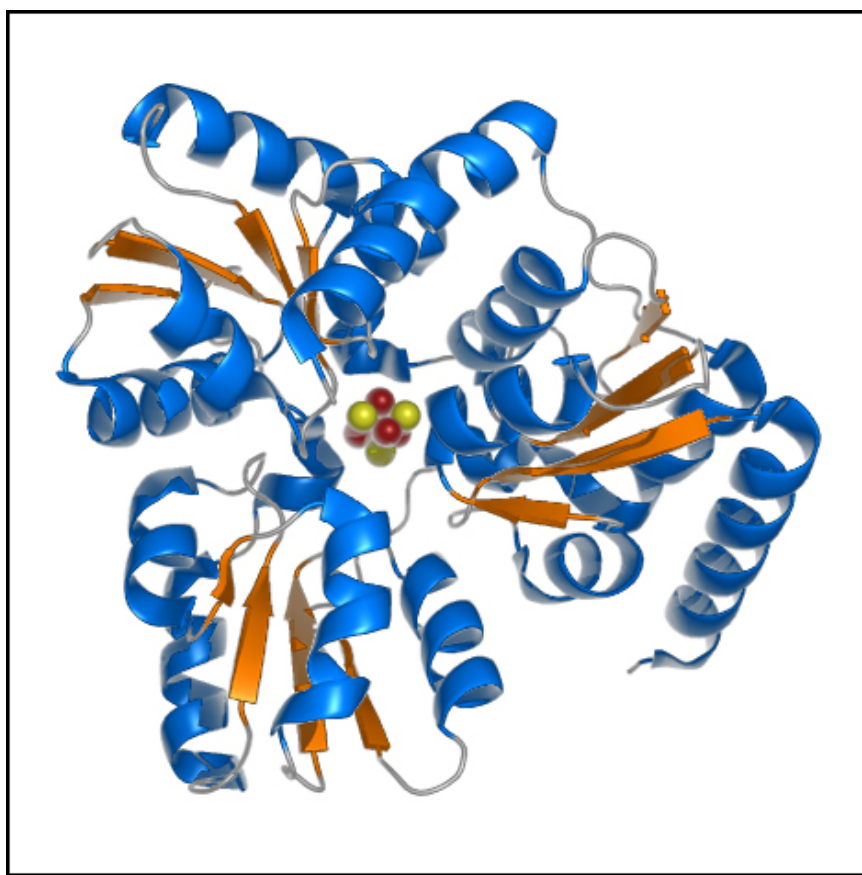


Thermotoga maritima quinolinate synthase



Cherrier MV, Chan A, Darnault C, Reichmann D, Amara P, Ollagnier de Choudens S, Fontecilla-Camps JC. The crystal structure of Fe₄S₄ quinolinate synthase unravels an enzymatic dehydration mechanism that uses tyrosine and a hydrolase-type triad. *J Am Chem Soc* (2014) **136**, 5253-5256.

Following the publication of the crystal structure:

Volbeda A, Darnault C, Renoux O, Reichmann D, Amara P, Ollagnier de Choudens S, Fontecilla-Camps JC. Crystal Structures of Quinolinate Synthase in Complex with a Substrate Analogue, the Condensation Intermediate, and Substrate-Derived Product. *J Am Chem Soc* (2016) **138**, 11802-9.

Cherrier MV, Ollagnier de Choudens S, Fontecilla-Camps JC. Fe₄S₄-Quinolinate Synthase (NadA). *Encyclopedia of Inorganic and Bioinorganic Chemistry* (2016) 10.1002/9781119951438.

Volbeda A, Cabodevilla JS, Darnault C, Gigarel O, Han THL, Renoux O, Hamelin O, Ollagnier de Choudens S, Amara P, Fontecilla-Camps JC. Crystallographic Trapping of Reaction Intermediates in Quinolinate Synthesis by NadA. *ACS Chem Biol* (2018) **13**, 1209-17.

Saez Cabodevilla J, Volbeda A, Hamelin O, Latour JM, Gigarel O, Clémancey M, Darnault C, Reichmann D, Amara P, Fontecilla-Camps JC, Ollagnier de Choudens S. Design of specific inhibitors of quinolinate synthase based on [4Fe-4S] cluster coordination. *Chemical Communications* (2019) **55**, 3725-28.