

Figure 1. Structure of the BfrB-Bfd complex. **Left:** The BfrB dimer (red/blue) binds a single heme molecule (green). The Bfd (cyan) protein occupies a site on the BfrB dimer surface such that the iron-sulfur cluster (2Fe-2S, yellow/orange spheres) is positioned above the heme, which facilitates through bond electron transfer into the core of BfrB thus reducing Fe^{3+} to Fe^{2+} for mobilization. **Right:** Biological assembly consisting of a BfrB 24-mer with 12 Bfd molecules bound.

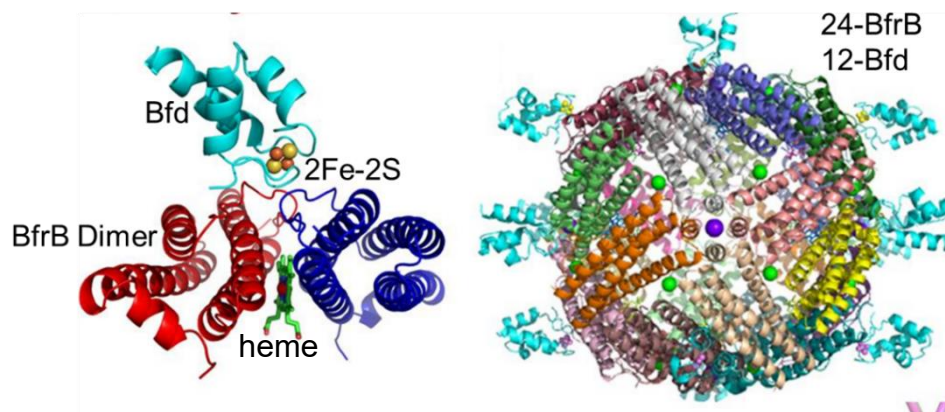
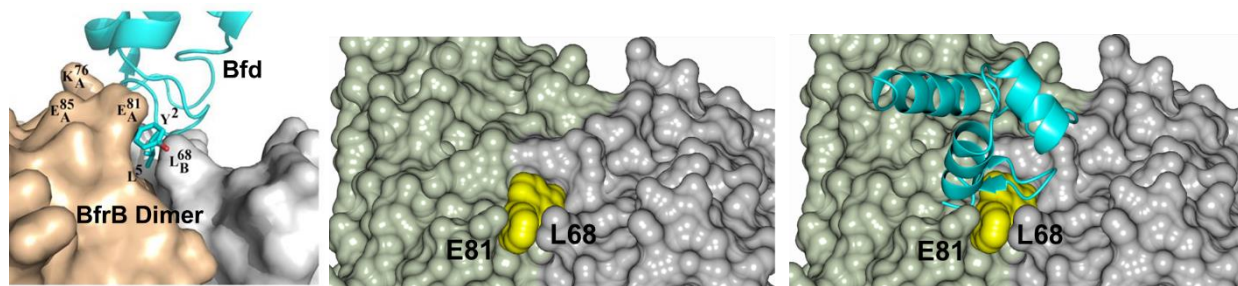


Figure 2. Inhibitors bind at the BfrB-Bfd protein-protein interface. **Left:** Residues Y2 and L5 of Bfd (cyan) occupy a cleft between residues L68 and E81 of a BfrB dimer (wheat/gray). **Middle:** The inhibitor (yellow) binds within this cleft and **Right:** blocks the Bfd from binding.



References:

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