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Biological Crystallization Resource: Facilitating Knowledge-Based Biological Macromolecule Crystallization.
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The Biological Crystallization Resource (BCR) is a database that has been constructed to facilitate the discovery of the relationships between the properties of biological molecules and their optimal crystallization conditions. Through the use of advanced data mining and manipulation techniques the BCR is able to accept multiple parameter searches, where the resultant output allows an investigator to design customized crystallization screens for the biological macromolecules under investigation. The BCR URL is www.growacrystal.com. A free demonstration version of the database targeting the customized crystallization screen design of carboxylic ester hydrolases (E. C. 3. 1. 1. -) and a manual detailed the access and applications of the database can be found at the above web site.