

SS02-2 Analytical report in the SPring-8 facility –Micro crystal structure elucidation–

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Remarkable progress in the field of X-ray crystallography for small molecules has been contributed to the organic chemistry as well as the structural sciences. However, it is still difficult to elucidate in our laboratory in the case of extremely small single crystal having the dimensions of less than 50 μm . On the other hand, the synchrotron radiation crystallography for small protein crystals became more common in recent years. We applied the organic micro crystal to the synchrotron analysis by using beam line BL38B1 provided for protein crystallography in SPring-8 facility. The micro crystals of bioactive substances and functional supramolecules were analyzed by using this facility. Some analytical results will be shown.

