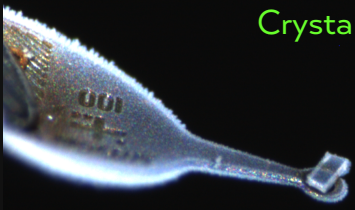


Fed up with puzzling ambiguous NMR, MS spectra and HPLC results for the identification of a new compound?

Get the Molecular Structure from Crystallise!



Have you spent a lot of effort, time and money? And you have to close the project because the identification process fails?

Crystallise! will rescue your Investment

Contact us

E-mail: info@crystallise.ch

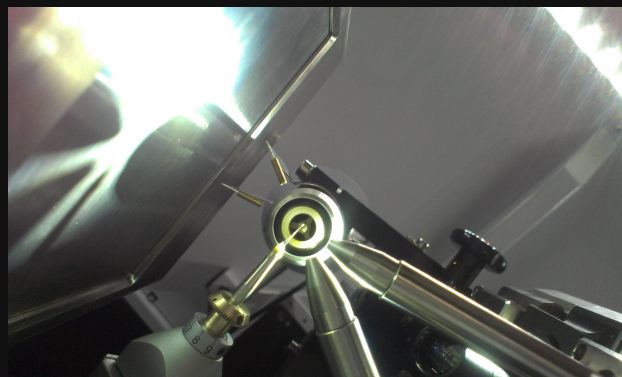
Tel: +41 44 55 83 400

www.crystallise.ch

Skype: [crystallise.ch](https://www.skype.com/name/crystallise.ch) or [crystalliseag](https://www.skype.com/name/crystalliseag)

X-ray Diffractometer

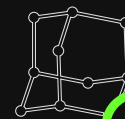
- State of the art technology
We can measure crystals down to a size of $0.01 \times 0.01 \times 0.04 \text{ mm}^3$.
- Cu- μ source for absolute structure determination and light atom molecules.
- Cryo-stream for cooling the crystals down to -183°C (90 K) and for the crystallization of liquid samples.



State of the art Bruker D8-Venture X-ray Machine equipped with a CMOS ($10 \times 10 \text{ cm}^2$) detector.

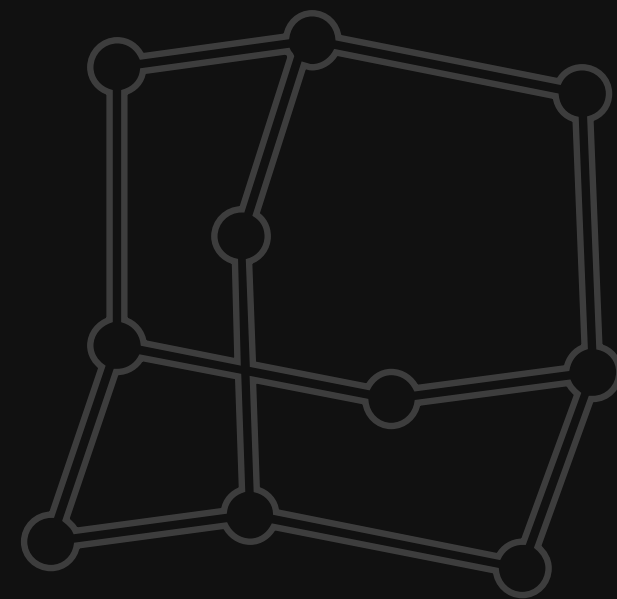
Chemical Laboratory

Crystallise! runs an independent fully equipped chemistry laboratory. We even have a high vacuum greaseless Schlenk line to avoid contamination of the samples.



CRYSTALLISE!

Crystallization - X-ray - Structure



Your Partner for
Crystallization
X-ray
Structure Analysis

Grabenstrasse 11a, CH-8952
Schlieren, Switzerland

Crystallization of Liquids

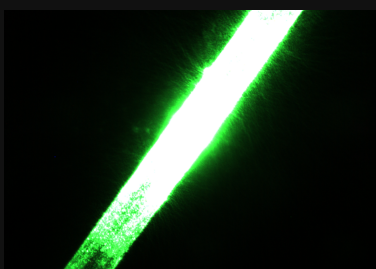
The liquid sample is placed inside a sealed glass capillary and mounted in the X-ray machine. Using the cryo-stream the sample can be cooled down to -183°C (90 K). Therefore the crystallization process takes place *in situ*.



Single Crystal / Liquid Sample

Example of an *in situ* crystallization.

With the aid of a special technique that requires a laser, Crystallise! is able to obtain a single crystal from pure liquid substances.



Crystallization of Liquids at Crystallise! AG.

Our Services

Crystallization

- Crystallization of Liquids
- Crystallization of Sensitive Compounds
- Crystallization of Stable Compounds

X-ray Measurement

- Structural Characterization
- Absolute Structure Determination
- Picking & Mounting Crystals under Inert Gas Atmosphere

Data Analysis

- Unsolved Data Sets
- Twinning and Disordered Structures

Do you need our services? Contact us at info@crystallise.ch

Absolute Structure

For absolute structure determination, Sucrose is the "standard" system to be measured. It is a good test of experimental methods aimed at the determination of small molecules of biological origin (*J. Appl. Cryst.* 1991, 24, 352-354).

Crystallise! has grown at their laboratory single crystals [Crystal Structure of Sucrose](#)

of Sucrose. To "test" the settings and capabilities of their machine.

A single crystal was picked and measured.

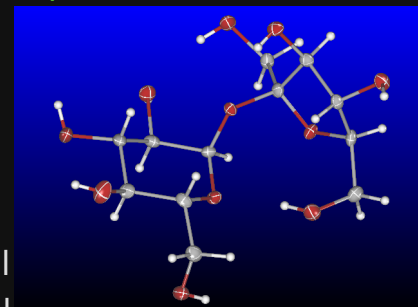
The results are as good

(or even better) as the best standard structure reported in the literature (c.f. *Cryst. Growth Des.*, 2009, 9, 3551-3561).

Growing single crystals and picking the right one is essential for a good structure determination.

Crystallise! AG

your smartest choice for better results!



obtained @ Crystallise! AG
R1 = 2.15%, wR2 = 5.21%,
GooF 1.06, Flack -0.06(8)