

Deuteration: Proposal Round #3

Tuesday 18 February 2025 - Monday 28 April 2025

What we offer

At the JCNS, we have deuteration experience, especially in polymers and ethoxylation. Therefore, we offer a large variety of polymers (and their monomers) in combination with ethoxylated materials (especially surfactants). In addition, we offer the synthesis of various deuterated small molecules. You can find our current synthesis catalogue at our website (<https://www.fz-juelich.de/en/jcns/jcns-1/expertise/instrumentation-and-methods/deuteration-service>).

In addition, we can realise other materials as well. If you have something in mind that is not explicitly listed in our catalogue, simply contact us and find out what we can do for you!

Deuteration service

The synthesis of the deuterated materials takes place at JCNS-1 in Jülich. Standard materials can be produced by us within a short time period. Materials with a complex synthesis (e.g. polymers from non-commercially available deuterated monomers) require more lead time. We offer development work with priority given to scientifically excellent proposals.

Longer-term collaborations are also possible. On-site support in Jülich from the user during synthesis might allow the prompt realisation of more complex syntheses, especially in the case of non-standard materials.