

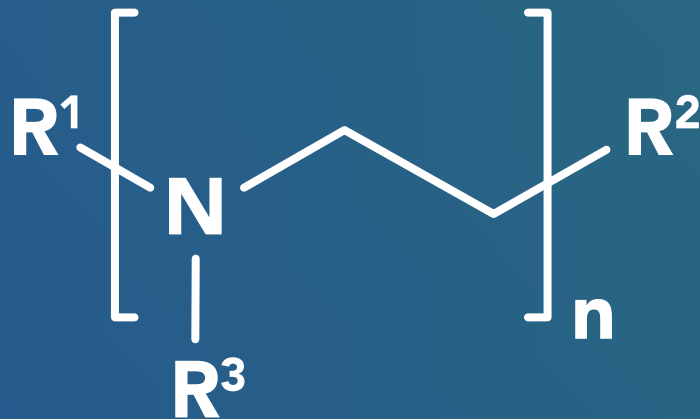
Your **Good**
Manufacturing Partner
from the Black Forest.



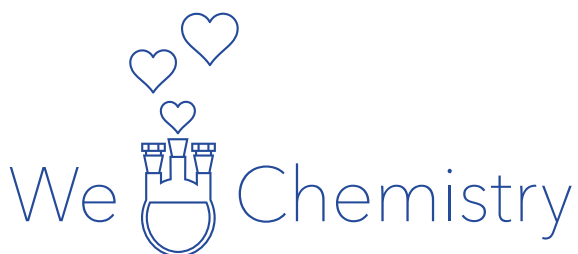
Highest quality polymers for your application!

ChemCon is THE producer of PEI and POx under GMP conditions.

POLYETHYLENIMINE (PEI)



POLYOXAZOLINE (POx)



ChemCon has been synthesizing customized linear and branched **Polyethylenimines (PEI)** and **Poly(2-alkyl-2-oxazoline)s (POx)** for many years.

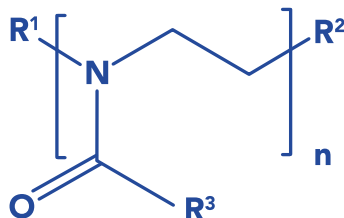
We can adjust the polymer to suit **your needs the best: From research and development all the way to the cGMP compliant manufacturing process.**



Variables

We precisely adjust different variables to **customize** your polymer:

- chain length
- molecular weight distribution
- substitution grade
- functionalization
- variation of n-alkyl groups
- variation of end groups
- others



Analytics

We offer you **sophisticated analytics** paired with the knowledge of our **analytic experts:**

- GPC
- HPLC
- IR
- NMR
- and many more!

GMP

We are able to produce under **full GMP** and also for **use in different medical devices.**

We have been inspected 5 times by the **FDA** as well as 16 times by German authorities without any deficiencies.



Examples of Poly(2-oxazoline)s

| R ¹ | R ² | R ³ | n |
|------------------|------------------|--------------------------------|--------|
| -CH ₃ | -N ₃ | -CH ₃ | 50-300 |
| -CH ₃ | -N ₃ | -C ₂ H ₅ | 50-300 |
| -CH ₃ | -NH ₂ | -CH ₃ | 50-300 |
| -CH ₃ | -NH ₂ | -C ₂ H ₅ | 50-300 |
| -CH ₃ | Succinyl | -CH ₃ | 50-300 |
| -CH ₃ | Succinyl | -C ₂ H ₅ | 50-300 |
| -CH ₃ | 1-Piperidinyl | -CH ₃ | 50-300 |
| -CH ₃ | 1-Piperidinyl | -C ₂ H ₅ | 50-300 |
| Carboxymethyl | -N ₃ | -CH ₃ | 50-300 |
| Carboxymethyl | -N ₃ | -C ₂ H ₅ | 50-300 |
| Carboxymethyl | Succinyl | -CH ₃ | 50-300 |
| Carboxymethyl | Succinyl | -C ₂ H ₅ | 50-300 |
| Carboxymethyl | 1-Piperidinyl | -CH ₃ | 50-300 |
| Carboxymethyl | 1-Piperidinyl | -C ₂ H ₅ | 50-300 |

About ChemCon

- We love Chemistry! This is why we excel in different chemical disciplines. As **CDMO** we are looking forward to your challenge!
- As custom research and manufacturing partner we specialize in **small** to **medium** scale production.
- Our products are used **worldwide** in clinical trial phases and **commercial drug substances**.
- For orphan diseases, oncology, dermatology and many more!
- We offer you state-of-the art **analytics of APIs**.
- Our production facilities are optimised for exclusive and generic product synthesis technically and under GMP.
- Your Good Manufacturing Partner from the Black Forest!



Get in touch!

To learn how you can start the process of creating your own customized polymer.
www.chemcon.com/en/products/polymers

