

001/905

2 14-311

Complete.
#120498 05
#4005 980 011B
status: Online.
data input...

| Cb = p[H ⁺] | [OH] | Alpha |
|-------------------------|----------|-------|
| 7.403.98E-08 | 2.51E-07 | 0.201 |
| 7.602.51E-08 | 3.98E-07 | 0.285 |
| 8.001.00E-08 | 1.00E-06 | 0.500 |
| 8.403.98E-09 | 2.51E-06 | 0.715 |
| 8.801.58E-09 | 6.31E-06 | 0.863 |
| 9.001.00E-09 | 1.00E-05 | 0.909 |
| 9.403.98E-10 | 2.51E-05 | 0.962 |
| 9.801.58E-10 | 6.31E-05 | 0.984 |
| 10.001.00E-10 | 1.00E-04 | 0.990 |

DRUG DISCOVERY

Medicinal Chemistry

www.nuvisan.com



LIFE SCIENCE CHEMISTRY AT A GLANCE

3M

COMPOUNDS
ANNOTATED WITH

1B

DATAPPOINTS RELEVANT
FOR COMPOUND DESIGN

**ARTIFICIAL
INTELLIGENCE,
MACHINE
LEARNING &
DATA SCIENCE**



>500

**PATENTS & PATENT
APPLICATIONS**

120

final test
compounds/chemist/year

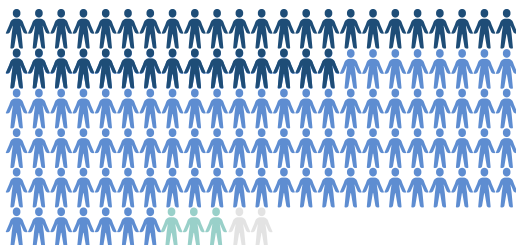
10000

preparative HPLC
purifications/year



**New Chemical
Modalities**

Ready to use PROTAC
Library, 10 E3 ligase
binders, 2000 linkers,
30 precursors

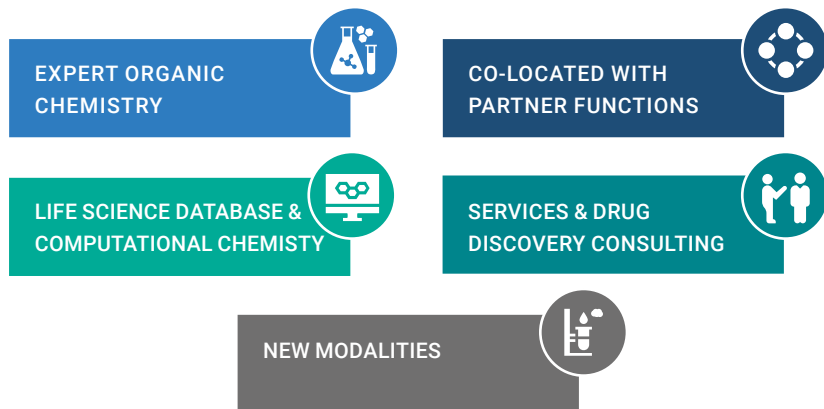


- 38 PhD Scientists & Specialists
- 3 Scientists (non-PhD)
- 2 Specialists (non-PhD)
- 84 Lab Professionals

Our Medicinal Chemistry Solutions

With a long history of expertise in multiple therapeutic areas and target classes, we deliver quality entities while maintaining robust scientific rigor to minimize late-stage failures. From hit to lead to IND, we are your one-stop-shop, always designing the next better molecules.

- **Confidentiality and IP protection** are deeply ingrained in our organization. Rest assured – your scientific breakthrough results are in secure hands
- **Cycle times** and a strong sense of urgency is of utmost importance in this industry. With our state-of-the-art laboratory equipment and automation, we maximize the productivity of our scientists **to deliver your results fast**
- **Less is more** – we successfully integrated **medicinal and computational chemistry** with full access to our **Life Science Database**. We can analyze proprietary profiling data before making the molecule to avoid redundancy and to **minimize the synthesis of compounds with limited utility**
- **Communication, transparency and team-work** are key for success in this tremendously complicated life science business. Flexibility across all business models is our promise to you



Expert Medicinal Chemistry Services at the Center of our Proven IND Engine



Expert Synthetic Organic Chemistry

Compound Synthesis is at the core for every medicinal chemist. We are chemistry experts with strong synthetic organic expertise who work in world-class chemistry labs.

- Flow chemistry, organic catalysis, electrochemistry, photoredox, microwave reactions, high pressure reactions, parallel synthesis, automated purification
- Over 30,000 diverse and hard-to-source reagents and intermediates
- Efficient execution of highly challenging syntheses from mg to kg scale as one team
- Proficient lab notebook writing with procedures and data analysis ready for your scientific publications and patents as is. No modification necessary



Co-Located with all Partner Functions

To accelerate the drug discovery process, shorter cycle times are imperative.

- Our medicinal chemistry team is nestled in between our departments for drug metabolism and pharmacokinetics, pharmacology, biophysics and drug safety
- With optimized infrastructure, we efficiently share information, data and physical samples without delay
- Real time troubleshooting and problem solving with the subject matter expert next door



Life Science Database and Computational Chemistry

Data is at the very core of the drug discovery process. Our team of digital experts works closely with you to implement a suitable strategy for your drug discovery program.

- Computational Chemistry focused on ligand- & structure-based CADD, e.g., scaffold hopping, matched pair analysis, library design, docking, protein modeling and more
- Life Science Database containing 3 million well-characterized compounds associated with ~1 billion proprietary *in vitro* and *in vivo* data points that can be used for Machine Learning/QSAR modeling and *de novo* generative design



Services & Drug Discovery Consulting

A well-integrated shipping department in combination with compound and data logistics ensures quick delivery of your results and materials.

- Barcode based compound logistics with high format flexibility
- Tecan pipetting robots perform all compound – plate-based formulations for testing internally or externally
- Fully integrated data storage landscape that can be shared with the customer individually

Scientific “outside the lab” dry consulting across the drug discovery enterprise

- Medicinal chemistry strategies - Synthetic route design and troubleshooting - IP landscape evaluation and FTO assessment



New Modalities

Macrocycles, peptides and ADCs - additionally, our advanced proximity induced protein degradation platform is highly competitive.

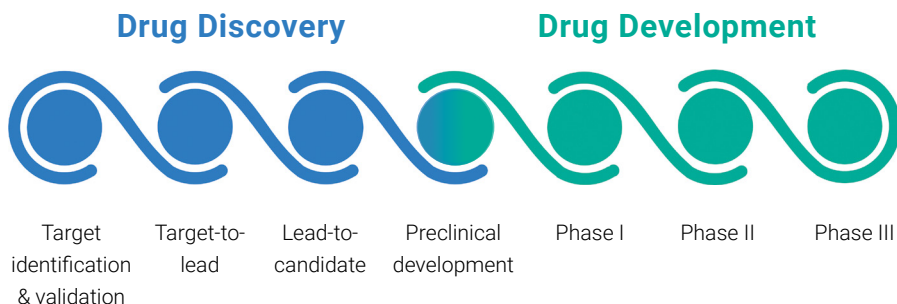
- Ready to use PROTAC Library, 10 E3 ligase binders, 2000 linkers, 30 precursors
- Solid support parallel- and combinatorial-synthesis
- Plate based chemistry - high throughput compound testing without purification
- Pool synthesis & ASMS selection with direct delivery for biological testing

The Science CRO - From Target to Patient

The NUVISAN group is a contract research and development and manufacturing organization (CRO/CDMO) with six sites in Germany and France as well as local experts situated in Latin America.

We offer unique, high-quality, and tailored integrated solutions along the drug discovery and development value chain to our biotech startup, pharma, non-profit, and venture capital clients – from target identification to the patient.

Thanks to more than 40 years of experience and about 1,000 employees (incl. > 70 % industry experienced scientists and lab professionals), we know how to discover, develop, and bring the next generation medicines to market. At the same time, our scientists understand that every project is different. With a flexible and innovative approach and transparent communication, our teams are passionate about closely collaborating with you to adapt to your individual needs.



Contact us



Dr. Franz Nussbaum
Life Science Chemistry
franz.nussbaum@nuvisan.com



Dr. Christoph Sachse
VP Business Development
christoph.sachse@nuvisan.com

NUVISAN ICB GmbH
Muellerstr. 178
13353 Berlin, Germany

Web: www.nuvisan.com
Email: hello@nuvisan.com
LinkedIn: [company/nuvisan](https://www.linkedin.com/company/nuvisan)