



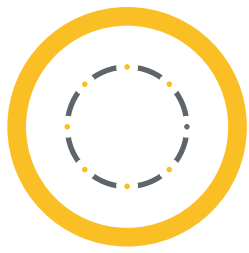
CARBOHYDE

Revolution of
Cyclodextrins



CarboHyde CRO Services

Your First Choice in Cyclodextrin R&D



Who We Are

From scratch to product

- Fully dedicated to cyclodextrin related R&D
- A team of 10 international researchers
- 50+ years of combined cyclodextrin expertise
- Specialised in **chemistry - formulation - analytics**

Real people who stand behind the brand



Tamás Sohajda
CEO



Milo Malanga, PhD
CSO



Mihály Bálint
R&D Director



Tamás Vargadi
COO



Gergely Tóth
CFO



József Tóth
Chief Medical
Advisor



Gabriella Szejtli
HR



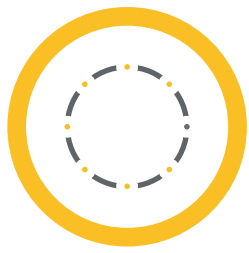
Balázs Kondoros
Formulation
Scientist



Kristóf Felegyi
Research
Chemist



Daniel Bisericaru
Research
Chemist



Our CRO Pillars

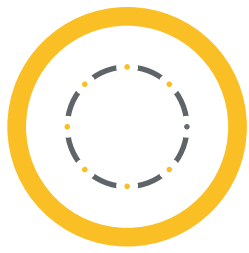
CarboHyde

Synthesis

Formulation

Analytical

- Custom CDs and **scale-up**
 - 30+ CD variants
 - Polymers **synthesis**
- CD enhanced **solubility** and **stability**, etc.
 - Pre-formulation development
- Advanced **characterisation**
 - Complexation and impurity profiling



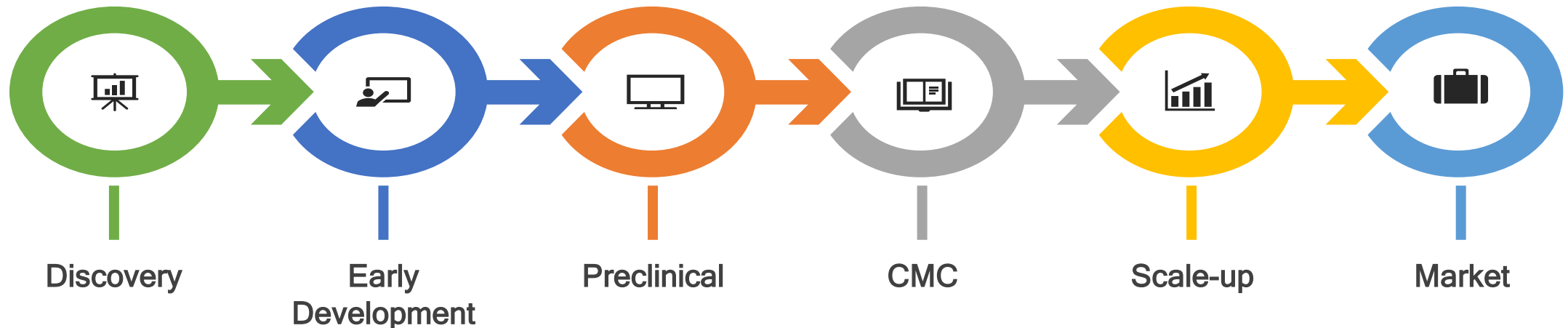
CRO Support Across Development Stages

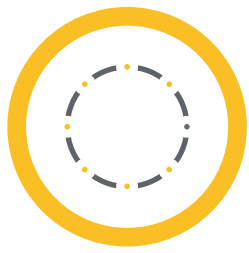
Early Stage

- Synthesis and optimisation
- Easily scalable procedures
- Analytical methods
- Tech transfer packages

Late Stage

- CMC support
- Regulatory & IP input
- Consultation up until the product reaches the market
- Excellent connections with CMOs

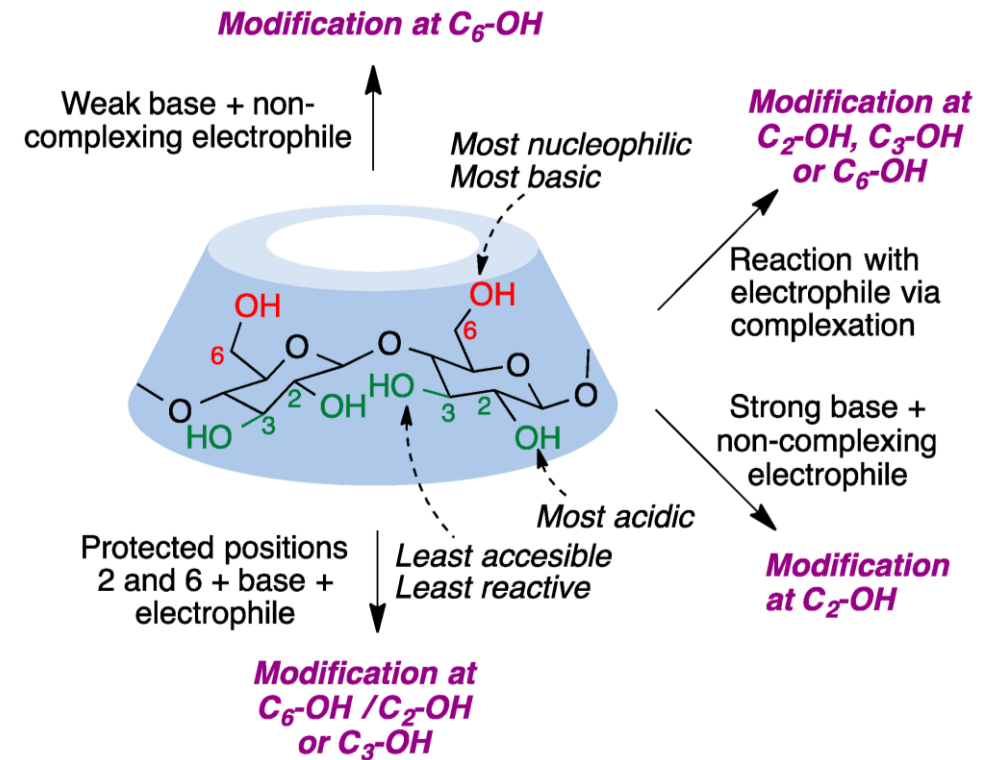


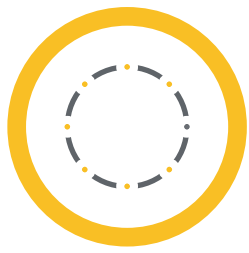


Pillar 1: Synthesis

Early Stage

- Custom cyclodextrin synthesis
- Gram to kilogram scale
- 30+ derivatives
- Neutral, anionic, cationic monomer and polymer CDs; single isomer CDs
- Purpose-built CDs for API needs





Pillar 2: Formulation

Unlocking the potential of your API with Cyclodextrins based formulations

Increase API

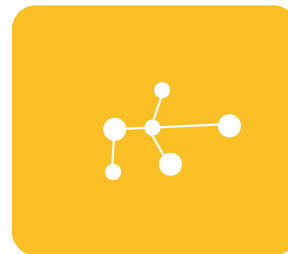
- Solubility
- Stability
- Wetting and Dissolution rate
- Absorbed quantity

Decrease API

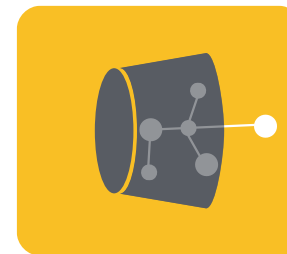
- Dose
- Taste
- Side effects
- Smell



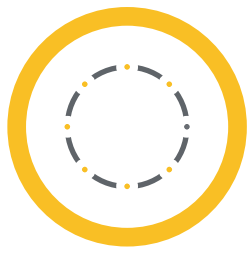
cyclodextrin



API



inclusion complex



Pillar 3: Analytical Services

We offer

- HPLC (UV, CAD, ELSD)
- LC-MS (ESI-TOF)
- Advanced NMR techniques
- Stability studies
- Complexation analysis (ITC, Phase-solubility)
- CD-content quantifications

Why our analytics are special

- CD-focused analytical methods
- Quantification of CD complexes
- Structural elucidation of CD-API interaction
- Experience with complex impurity profile



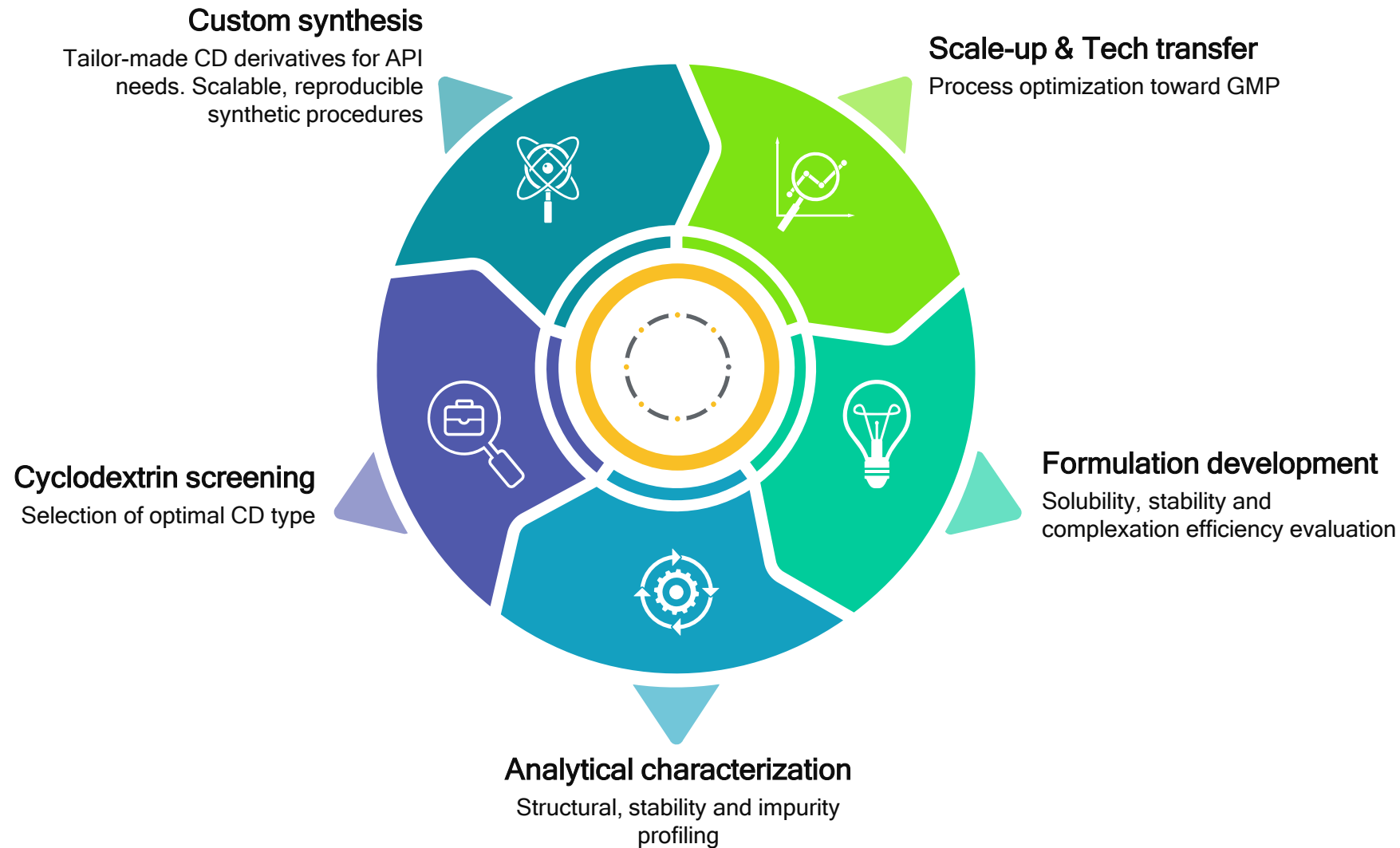
Same NMRs, but they have different magnetic power (GHz)

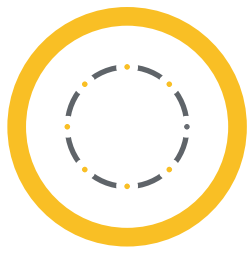


Workflow

Capabilities

- End-to-end CD-based R&D
- Integrated **chemistry - formulation - analytics**
- Flexible CRO support





Why Clients Choose CarboHyde

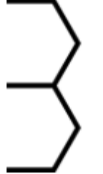
Our Advantages

- Cyclodextrin specialisation (unique, niche expertise)
- Integrated **chemistry - formulation - analytics** platform
- Fast project onboarding & flexible scopes
- Strong experience supporting preclinical programs
- From R&D to industrial transfer
- Trusted partner for pharma, nutraceuticals and cosmetics

Our Collaborations

GENE  GUT

GlyCa  Drug

 bicyclos



CARBOHYDE
SUGAR IS LIFE



For any questions:

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