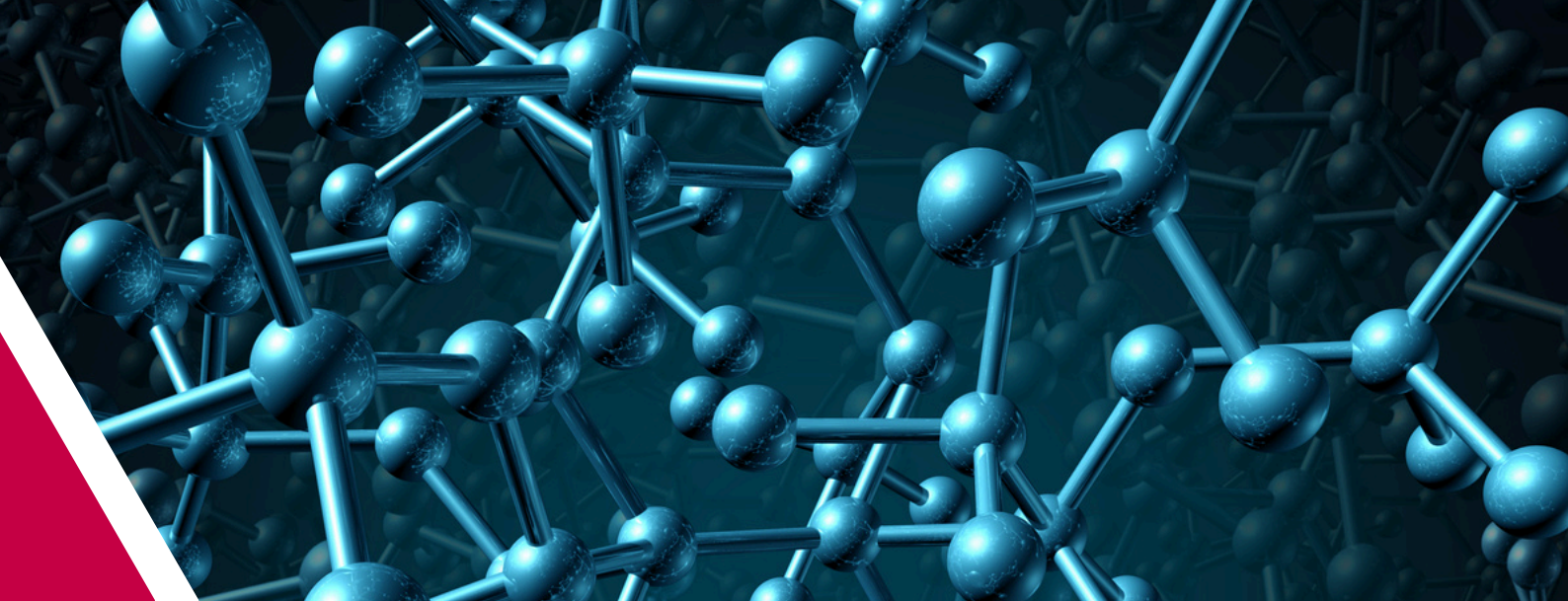




HPAPIs Solid State

Trusted support for high-potency APIs

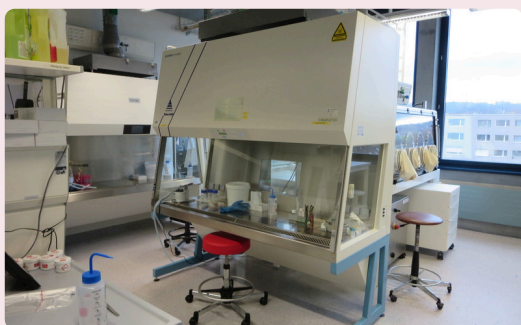
Solid-state characterization reveals key properties that directly impact the stability, solubility, bioavailability, manufacturability, and safety of a drug. For high-potency APIs (HPAPIs), this process requires specialized containment and ultra-sensitive techniques to safely and accurately analyze active compounds at extremely low concentrations.

Our Capabilities

We offer comprehensive pre-formulation physico-chemical characterization and screening of polymorphs, co-crystals, salts, and hydrates, including assessments of solubility, lipophilicity, hygroscopicity, excipient compatibility, and stability.

Safe & Specialized for HPAPIs

Our HPAPI solid state lab enables us to handle compounds with Occupational Exposure Limits (OELs) as low as 50 ng/m³.

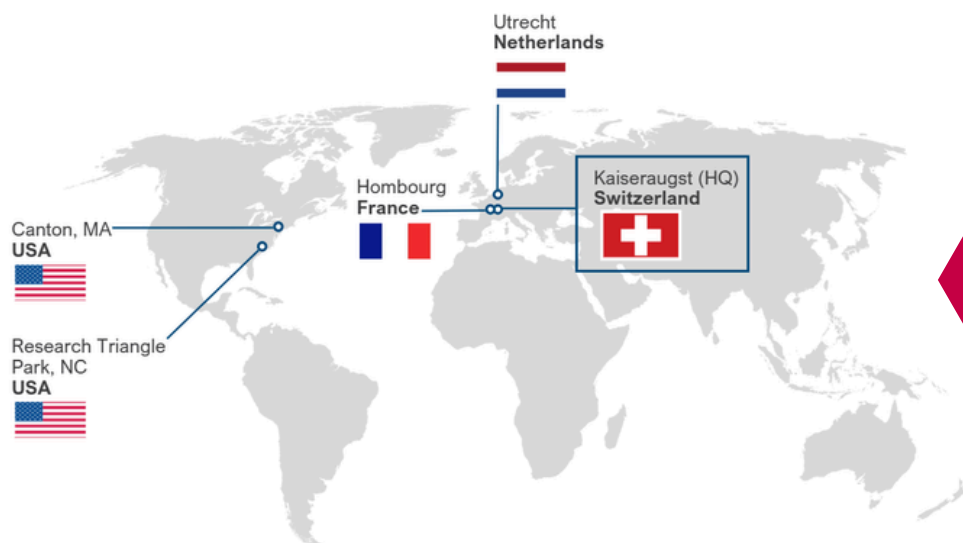


Services & OEL Limits

- ✓ Particle size determination (PSD) - 50 ng/m³
(50 ng/m³ wet dispersed, 1 µg/m³ dry dispersed)
- ✓ Porosity - 1 µg/m³
- ✓ Bulk and tapped density - 50 ng/m³
- ✓ X-ray diffraction (XRD, XRPD) - 50 ng/m³
- ✓ Differential scanning calorimetry (DSC) - 50 ng/m³
- ✓ Isothermal calorimetry - 50 ng/m³
- ✓ Solution calorimetry - 50 ng/m³
- ✓ Thermogravimetric analysis (TGA, TG-FTIR) - 50 ng/m³
- ✓ Dynamic/gravimetric vapor sorption (DVS/GVS) - 1 µg/m³
- ✓ Surface area analysis (BET) - 50 ng/m³
(50 ng/m³ for single point, 1 µg/m³ for multipoint)
- ✓ Water activity measurements - 50 ng/m³
- ✓ Microscopy (SEM, optical) - 1 µg/m³
(further reduction to 50 ng/m³ considered case-by-case)

Why partner with us?

- CRO
- Founded in 1999
- 800+ team members
- 175+ PhD-level scientists
- GMP, GLP, ISO9001 certified
- 23K m² of lab capacity
- 700+ customers worldwide
- 5 centers of excellence



**Contact us to speak with
an expert:** info@solvias.com

