



Aptuit Verona

## FACTSHEET



### Chiral & Achiral Chromatography Services

Aptuit provides chiral and achiral method development as well as sample analysis services. Chromatography experts offer a wide range of analytical and preparative support for chiral and achiral compounds, using both HPLC and SFC technologies.

#### HPLC / SFC Chiral Method Development and Analysis

- Fast parallel screening (up to 8 HPLC columns)
- Automated chiral column screening and chiral methods development
- Chiral QC as enantiomeric excess determination, (% e.e.)
- Enantiomeric purity check of formulated products
- Method development for diastereomers and determination of diastereomeric ratio

#### HPLC and/or SFC Achiral Method Development and Analysis

- Automated method development (6 port switching valve: column/12 port switching valve: column and solvent)
- Reaction monitoring
- Stability studies
- Forced degradation studies (by HPLC/UV and/or HPLC/MS)
- ICP method development
- Impurities enrichment by LC/SPE
- High MW impurities ID by LC-SEC

#### Preparative Separation Capabilities

Aptuit provides chiral and achiral purification of compounds from mg to Kilo to serve different purposes:

- Isolation of pure enantiomers from racemic mixture
- Isolation of diastereoisomers from mixture
- Purification of starting materials and intermediates
- Impurities isolation
- Batch purification
- Metabolites

#### Facilities Available for Purification

##### Preparative systems

Preparative separation operating in normal phase or reverse phase

- Prep SFC systems
- Prep HPLC systems
- Semiprep MDAP systems

#### Solvent Streaming

- Rotavapor up to 20 L
- Freeze Dryer (6 kg of Ice)

#### Characterization & Identification

- HPLC /UV
- SFC/UV
- LC/MS
- UPLC/MS
- NMR
- Chiral QC

#### Others

- GC/ECD; GC/FID; GC/MS

#### Additional Aptuit Capabilities

Aptuit offers a comprehensive suite of drug development services that range from drug discovery through to market, including consultancy services, API development and manufacture, preclinical technologies, clinical sciences, pharmaceutical development services, large and small scale manufacturing, IVRS and clinical packaging and logistics, across a wide range of compounds, dosage forms and delivery systems.

**For information about Aptuit's services, please call or email:**

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**Engineering a better drug development process through scientific excellence.**