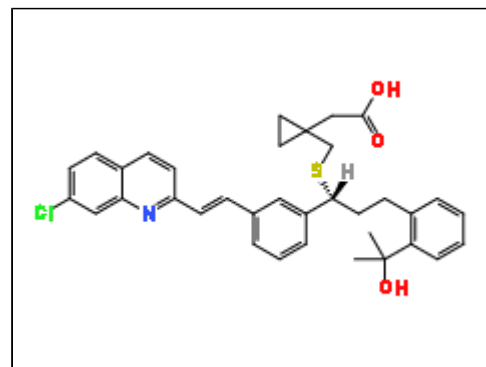


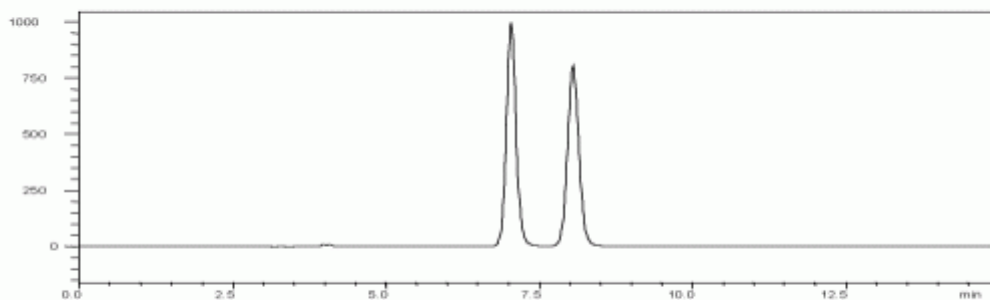
## APPLICATION RESULTS

## COMPOUND IDENTIFICATION

|               |                       |
|---------------|-----------------------|
| Compound Name | Montelukast (racemic) |
|---------------|-----------------------|



## CHROMATOGRAM



## ANALYTICAL REPORT

|  |  |
|--|--|
| Column Trade Name<br>Column Size / Particle Size | CHIRALPAK® IA<br>250 x 4.6mm / 5µm   |
| Mobile Phase Composition                         | n-hexane / ethanol / 1,4-dioxane / trifluoroacetic acid / diethylamine = 65 / 25 / 10 / 0.3 / 0.05 |
| Chromatographic Mode                             | Normal Phase<br>Primary screening solvent (Immobilised CSP)  |

|                    |           |                       |  |
|--------------------|-----------|-----------------------|--|
| Flow rate (ml/min) | 1         | Injection amount (mg) |  |
| Temperature (°C)   | 25        | Pressure (MPa)        |  |
| Detection          | UV 280 nm | Elution order         |  |

| No. | Rt   | K'   | Alpha Value | Resolution |
|-----|------|------|-------------|------------|
| 1   | 7.03 | 1.34 | 1 - 2       | 1.25       |
| 2   | 8.02 | 1.67 |             | 3.11       |