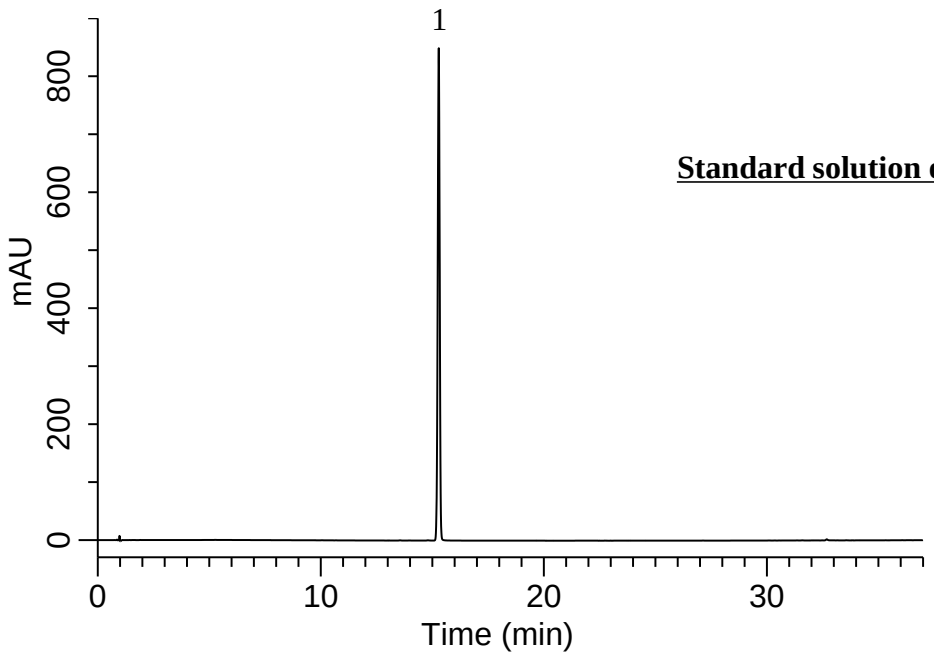
# InertSearch for LC

**Inertsil Applications**

## Analysis of Rivaroxaban

**(Under the Condition of draft for USP)**

Data No. LB633-0871




**Standard solution of Assay**

### Conditions

**System** : GL7700 HPLC system
**Column** : InertSustainSwift C18 (3.5 μm, 150 x 3.0 mm I.D.)
**Column Cat. No.** : 5020-
**Eluent** : A) $CH_3CN$
B) $CH_3OH$/Buffer* = 5/95, v/v

| Time (min) | A (vol%) | B (vol%) |
|---|---|---|
| 0.0 | 2 | 98 |
| 2.0 | 2 | 98 |
| 8.0 | 16 | 84 |
| 25.0 | 36 | 64 |
| 37.0 | 80 | 20 |
| 37.1 | 2 | 98 |
| 50.0 | 2 | 98 |

**Flow rate** : 1.0 mL/min
**Col. Temp.** : 60 ℃
**Detection** : UV 250 nm (PD7752 PDA Detector)
**Injection Vol.** : 3 μL
**Sample** : Standard

**Analyte:**

1. Rivaroxaban 500 mg/L

Symmetry factor : 0.96 (≦ 2.0)
RSD of the peak area (%)(n=6) : 0.19 (≦ 0.73)

**【NOTE】**

Operating pressure often exceeds 20 MPa. In that case, the column will not be immediately unavailable,but its lifetime may be a little shorter.

* Dissolve 1.36 g of potassium dihydrogen phosphate, 1 g of sodium hexanesulfonate, and 200 μL of phosphoric acid in water. Dilute with water to 1 L.

GL Sciences