

# Application Data

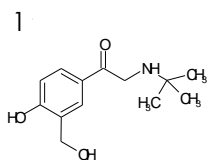
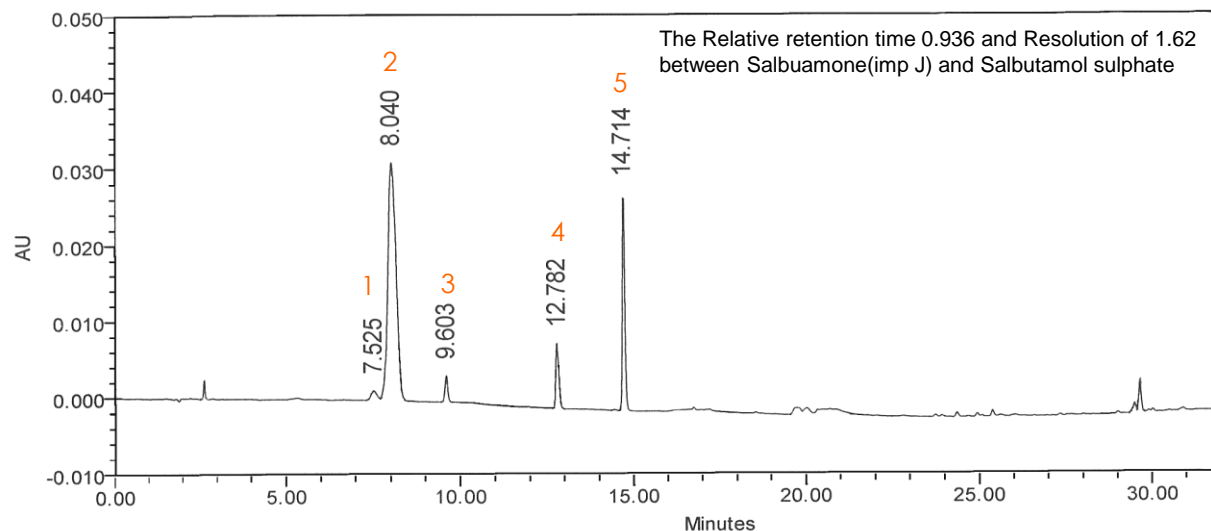
No. 1012A

ChromaNik  
ChromaNik Technologies Inc.

## サルブタモール硫酸塩と関連物質の分離

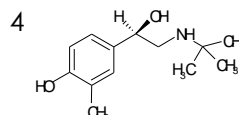
## Separation of Salbutamol Sulphate and Related Substances

Sunniest C8 3 µm 150 x 4.6 mm i.d.



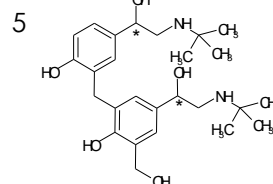
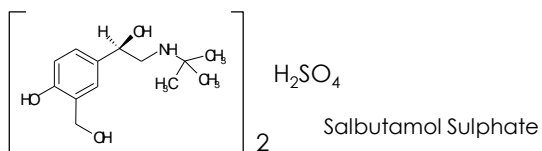
2-[(1,1-dimethylethyl)amino]-1-[4-hydroxy-3-(hydroxymethyl)phenyl]ethanone (salbutamone)

3 unknown



(1RS)-2-[(1,1-dimethylethyl)amino]-1-[4-hydroxy-3-methylphenyl] ethanol

2



2-[(1,1-dimethylethyl)amino]-1-[3-[[5-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]-2-hydroxyphenyl]methyl]-4-hydroxy-5-(hydroxymethyl)phenylethanol

\* The Relative retention time 0.936 and Resolution of 1.62 between Salbuamone(imp J) and Salbutamol sulphate

Column: Sunniest C8, 3 µm 150 x 4.6 mm

Mobile phase: A) dissolve 3.45 g of sodium dihydrogen phosphate monohydrate R in 900 mL of a 0.05 % V/V solution of triethylamine R, adjust to pH 3.0 with dilute phosphoric acid R and dilute to 1000 mL with a 0.05% V/V solution of triethylamine R;

B) methanol R, acetonitrile R (35:65 V/V)

Gradient: time 0 – 5 min %B 5%  
time 5 – 30 min %B 5 – 90%

Flow rate: 1.0 mL/min

Temperature: 30 °C

Detection: UV@273nm