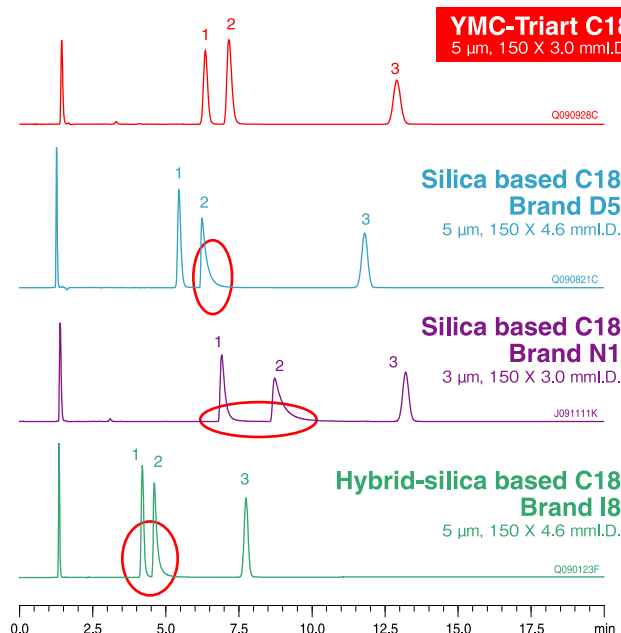
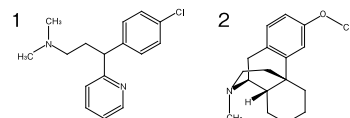


## YMC-Triart C18 : Excellent resolution - Without adsorption and tailing - S100204BE

### Analysis of basic compounds

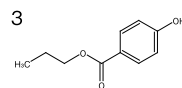


### Ingredients in a cough/cold medication



Chlorpheniramine

Dextromethorphan

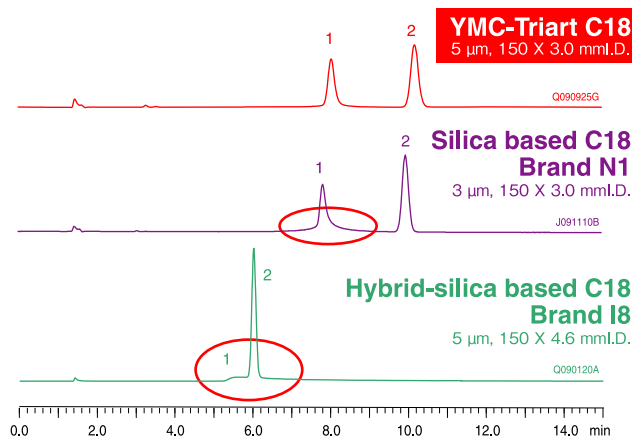


Propyl *p*-hydroxybenzoate

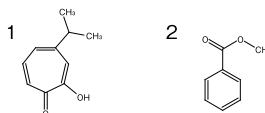
Column : 150 X 3.0 mm I.D. or 150 X 4.6 mm I.D.  
Eluent : 20 mM KH<sub>2</sub>PO<sub>4</sub>-K<sub>2</sub>HPO<sub>4</sub> (pH 6.9)/acetonitrile (65/35)  
Flow rate : 0.425 mL/min for 3.0 mm I.D.  
1.0 mL/min for 4.6 mm I.D.  
Temperature : 40°C  
Detection : UV at 235 nm

YMC-Triart C18's innovative surface modification technology results in excellent peak shapes even for the basic compounds that often exhibit tailing shapes on conventional silica and hybrid silica based ODS columns.

### Analysis of coordination compounds



### Hinokitiol



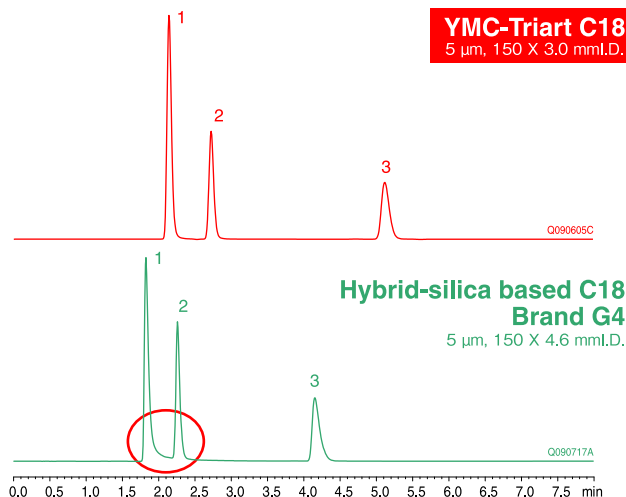
Hinokitiol

Methyl benzoate

Column : 150 X 3.0 mm I.D. or 150 X 4.6 mm I.D.  
Eluent : acetonitrile/0.1% H<sub>3</sub>PO<sub>4</sub> (40/60)  
Flow rate : 0.425 mL/min for 3.0 mm I.D.  
1.0 mL/min for 4.6 mm I.D.  
Temperature : 40°C  
Detection : UV at 254 nm

YMC-Triart C18 has an extremely low level of metal impurities, much lower than conventional products. YMC-Triart C18 is able to provide excellent peak shape for coordination compounds.

### Analysis of acidic compounds



### Organic acid

- Formic acid
- Acetic acid
- Propionic acid

Column : 150 X 3.0 mm I.D. or 150 X 4.6 mm I.D.  
Eluent : acetonitrile/0.1% H<sub>3</sub>PO<sub>4</sub> (5/95)  
Flow rate : 0.425 mL/min for 3.0 mm I.D.  
1.0 mL/min for 4.6 mm I.D.  
Temperature : 37°C  
Detection : UV at 210 nm

YMC-Triart C18 is synthesized utilizing methodology borrowed from microreactor technology. This synthesis technique allows for a reduction of impurities that contribute to peak tailing during the analysis of some types of acidic compounds.