

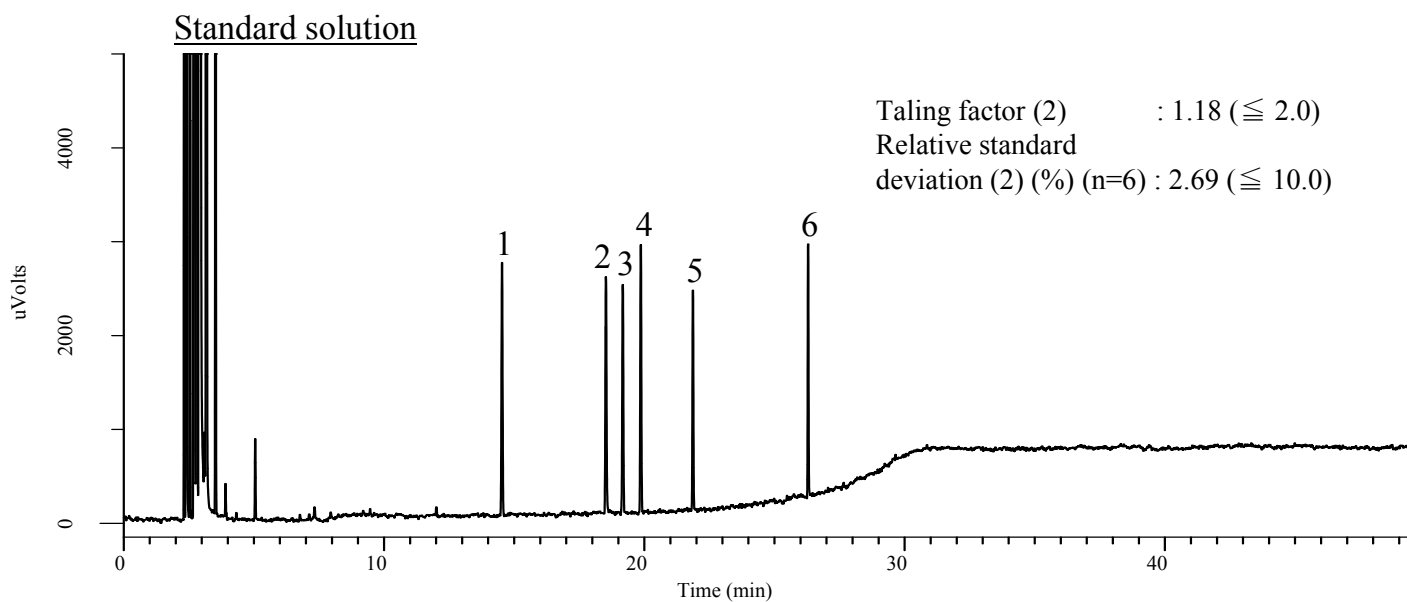
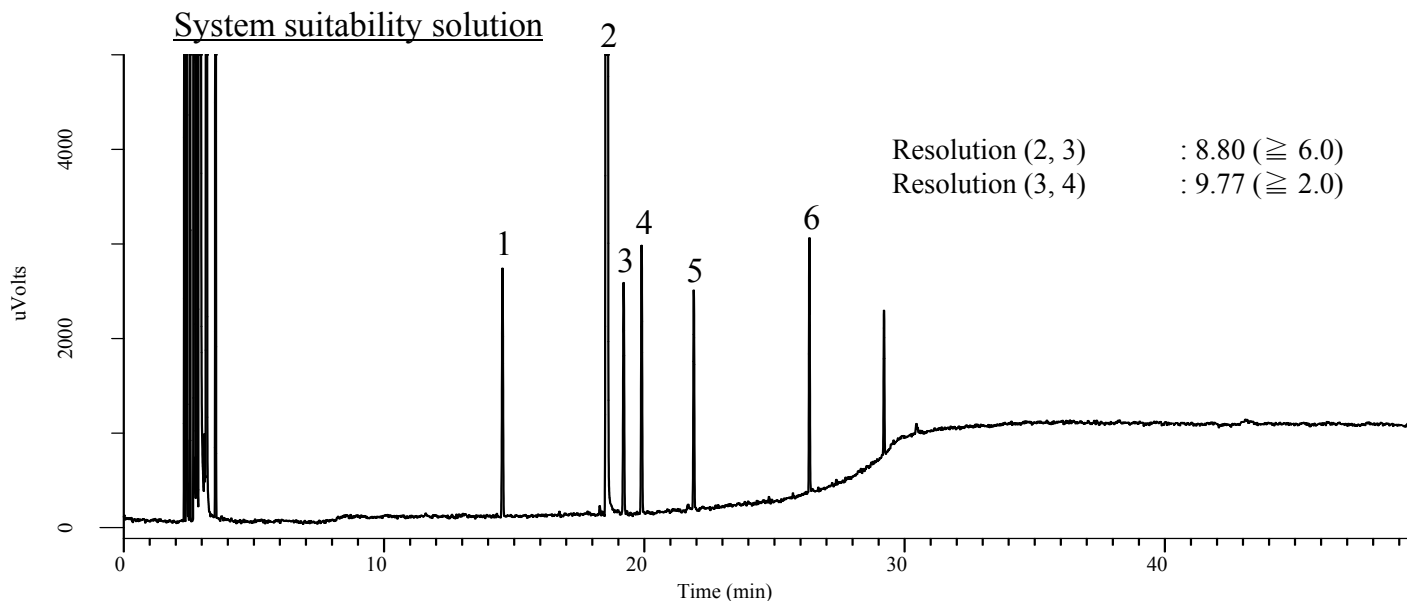
InertSearch™ for GC

InertCap® Applications

Memantine Hydrochloride

(Under the Condition of United States Pharmacopeia 39, Organic Impurities)

Data No. GA 291-0904



Conditions

System : GC-4000 Plus-FID
Column : InertCap 5
0.32 mm I.D. x 50 m df = 0.52 μ m
Col. Temp. : 50 °C - 5 °C/min - 145 °C
- 10 °C/min - 250 °C (20 min)
Carrier Gas : He 4.0 mL/min
Injection : Split 1:50
220 °C
Injection Vol. : 1 μ L
Detection : FID Auto Range
300 °C
Sample : Standard

Analyte

1. Memantine related compound A
(1,3-Dimethyladamantane)
2. Memantine
3. Memantine related compound B
(3,5-Dimethyladamantane-1-ol)
4. Memantine related compound C
(1-Chloro-3,5-dimethyladamantane)
5. Memantine related compound D
(1-Bromo-3,5-dimethyladamantane)
6. Memantine related compound E
(*N*-3,5-Dimethyladamantan-1-yl formamide)