

# InertSearch™ for GC

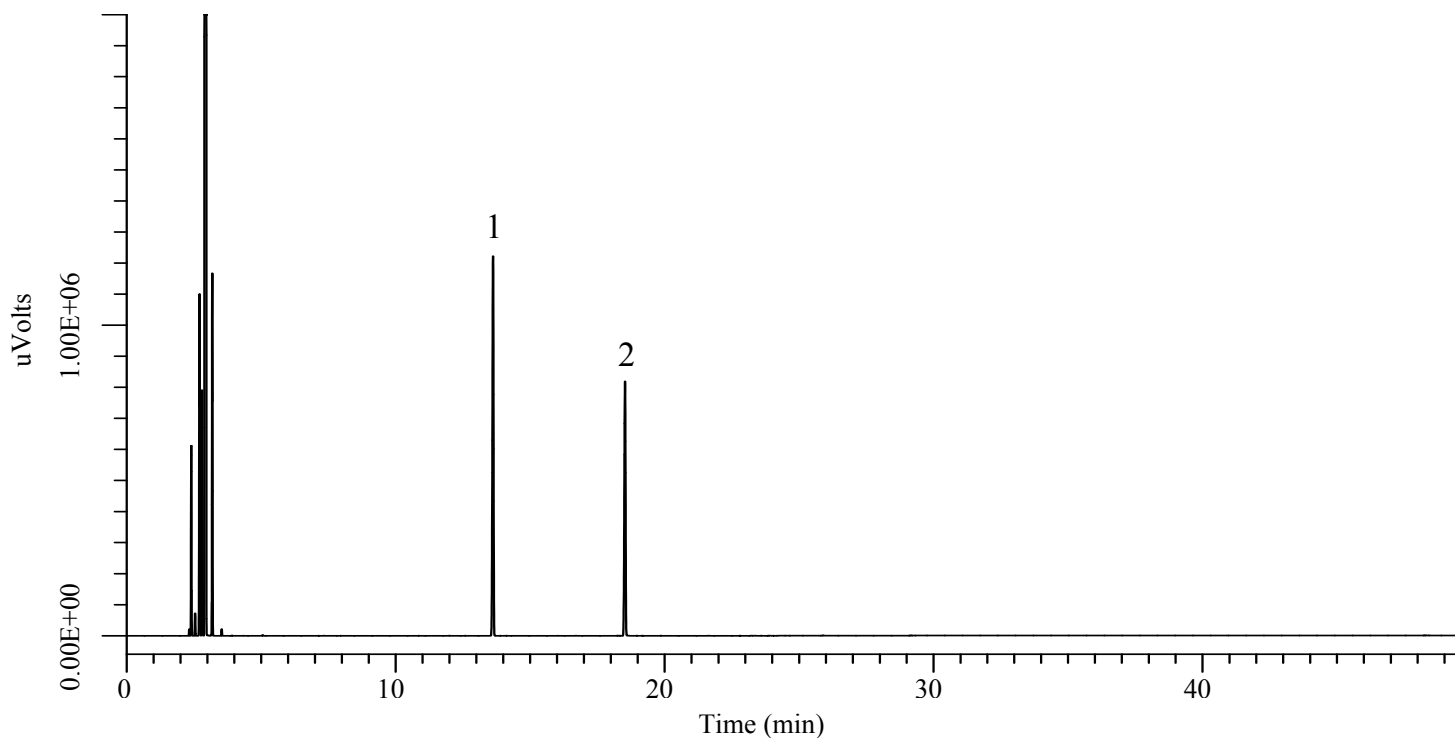
InertCap® Applications

## Memantine Hydrochloride

(Under the Condition of United States Pharmacopeia 39, Assay)

Data No. GA 290-0904

### Standard solution



### Conditions

**System** : GC-4000 Plus-FID  
**Column** : InertCap 5  
0.32 mm I.D. x 50 m df = 0.52 µm  
**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 µL  
**Detection** : FID Auto Range  
300 °C  
**Sample** : Standard

### Analyte

1. Adamantane  
2. Memantine

Taling factor (1) : 0.85 (≤ 2.0)  
Taling factor (2) : 0.89 (≤ 2.0)  
Relative standard deviation (1 to 2) (%) (n=5) : 0.39 (≤ 2.0)