

**Methods for purity determination of nootkatone**

- 1) The purity of nootkatone could be determined by GLC determination, using the following parameters:  
glass capillary column SP-2100, column temperature 75-220°C, programmed at 4°C/min.
- 2) *Column type:* 30 meter RTX-5 capillary column (5% diphenyl-95% dimethyl polysiloxane), 0.25 mm ID, 0.25 micrometer film.

Analytical Conditions:

FID Detector, Helium @ 25 psi head pressure used as carrier, Split ratio 150:1  
Injector temperature= 250° C, Detector temperature= 300° C

Temperature program:

Initial oven temperature: 160° C  
Initial time: 20 min.  
Rate: 30°/min  
Final oven: 220° C  
Final time: 5 min.

Sample Preparation:

Sample injected by HP7373 Autosampler. Sample diluted 10% in acetone. Injection size is 0.1 ul.

