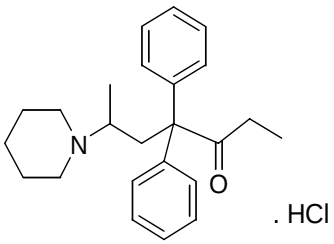
Australian Government

National Measurement Institute

REGISTERED MATERIAL REPORT

Compound Name: Dipipanone hydrochloride
Collection No. M642
Chemical Formula: $C_{24}H_{31}NO$ .HCl
Structure:



Description: White solid
CAS Registry No: 64-39-1
Molecular Weight: 349.5 (base), 386.0 (HCl salt)

Obtained: July 1990

Re-analysis January 2003

Purity > 95% (relative GC-FID peak area)

GC-FID: Peak area percentage of total: 95.36%, s = 0.27 (mean of six samples)

Instrument:	HP5890	
Column:	ZB-1, 29 m × 0.32 mm × 0.25 µm	
Program:	180 °C (1.0 min), 8 °C/min to 250 °C, 30 °C/min to 300 °C	
Injector:	200 °C.	Detector Temp: 300 °C
Carrier:	Helium	Split ratio: 15/1

GC-MS:

Instrument	Varian Saturn 3400/2000 Ion Trap	
Column:	DB-17MS, 30 m × 0.25 mm I.D. × 0.15 µm	
Program:	160 °C (1 min), 10 °C /min to 220 °C, 30 °C/min to 300 °C, hold	
Injector:	250 °C	Transfer line temp: 280 °C
Carrier:	Helium, 1 mL/min	Split ratio: 20/1
10.7 min:	350 (M^+, 1), 334 (10), 223 (3), 112 (100) m/z	

The retention time of the free base of the compound is reported as well as the relative percentage abundance of the observed ions to the base peak.

Intended use: For *in vitro* laboratory analysis and for no other use.

Recommended storage: At or below 20 ºC in a closed container in a dry, dark area.

WARNING: **Hazardous substance, harmful if swallowed.**
Use appropriate personal protection and work practices when handling to avoid skin or eye contact, or inhalation of dust.

This material has NOT been fully characterised as a certified reference material by Chemical Reference Materials Team, National Measurement Institute Australia.

Authorised by: S. R. Davies

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Chemical Reference Materials, NMI
Dated: 3 December, 2004