

Certificate of analysis



1'-Naphthoyl Indole

1H-indol-3-yl-1-naphthalenyl-methanone

Item number:11687
Batch number :0441349
Purity Specification.....: 98%

Molecular Formula: C₁₉H₁₃NO
CAS Number: 109555-87-5

Formula Weight: 271.30
Expiry date: 8/13/2015

Tests	Specifications	Results
HPLC	Column: C18, 5 μ , 4.6 X 250 mm Mob. Phase.....: Methanol:Water:Acetic acid (70:30:0.1) Flow Rate.....: 1.00 ml/min Detector UV: 218 nm	Retention Time Actual.: 6.60 min Purity: 100.0 %
IR	Conforms with standard	Conforms
Mass	Source Type: APCI MH+	Expected 272.1 Actual 272.1
Melting Point	220 - 230 °C (dec.)	226 - 230 °C (dec.)
TLC	Mob. Phase.....: Hexane:Ethyl Acetate (70:30) Stationary Phase: Silica Gel Visualized With ..: Sulfuric Acid	Rf.....: 0.41 Purity %: 100.00
UV	max: 308, 218 nm	max: 310, 218 nm

Analyzed by: Jennifer Mastroeni

Approved by: Libby Perry