

Certificate of analysis



AM2201 benzimidazole analog

(1-(5-fluoropentyl)-1H-benzo[d]imidazol-2-yl)(naphthalen-1-yl)methanone

Item number:15202
Batch number :0453507
Purity Specification.....>98%

Molecular Formula: C23H21FN2O
CAS Number

Formula Weight: 360.40
Expiry date: 11/2/2016

Tests	Specifications	Results
HPLC	Column: C18, 5 μ , 4.6 X 250 mm Mob. Phase.....: Methanol:Water:Acetic acid (85:15:0.1) Flow Rate.....: 1.00 ml/min Detector UV: 210 nm	Retention Time Actual.: 6.00 min Purity: 100.0 %
IR	Conforms with standard	Conforms
Mass	Source Type: APCI MH+	Expected 361.2 Actual 361.2
Melting Point	80 - 90 °C	84 - 88 °C
TLC	Mob. Phase.....: Hexane:Ethyl Acetate (75:25) Stationary Phase: Silica Gel Visualized With ..: Sulfuric Acid	Rf.....: 0.46 Purity %: 100.00
UV	max: 321, 219 nm	max: 321, 219 nm

Analyzed by: Ashley Macey

Approved by: Libby Perry