

# Certificate of analysis



## 5-fluoro PB-22

1-(5-fluoropentyl)-8-quinolinyl ester-1H-indole-3-carboxylic acid

Item number .....:14095  
Batch number...:0456065  
Purity Specification .....:≥98%

Molecular Formula .: C23H21FN2O2  
CAS Number .....: 1400742-41-7

Formula Weight : 376.40  
Expiry date .....: 12/16/2017

Tests	Specifications	Results
HPLC	Column .....: C18, 5μ, 4.6 X 250 mm Mob. Phase.....: Methanol:Water:Acetic acid (80:20:0.1) Flow Rate.....: 1.00 ml/min Detector UV .....: 210 nm	Retention Time Actual.: 8.10 min Purity .....: 98.6 %
IR	Conforms with standard	Conforms
Mass	Source Type.....: APCI MH+	Expected 376.9 Actual 376.9
Melting Point	103 - 120 °C	117 - 118 °C
TLC	Mob. Phase.....: Hexane:Ethyl Acetate (50:50) Stationary Phase: Silica Gel Visualized With ..: Sulfuric Acid	Rf.....: 0.47 Purity % .....: 100.00
UV	λ max .....: 294, 230, 216 nm	λ max .....: 294, 230, 217 nm

Analyzed by: Ashley Macey

Approved by: Libby Perry