

# Certificate of analysis



## BB-22 6-hydroxyquinoline isomer quinolin-6-yl 1-(cyclohexylmethyl)-1H-indole-3-carboxylate

Item number ....:14508  
Batch number :0448517  
Purity Specification.....:>98%

Molecular Formula: C<sub>25</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>  
CAS Number .....

Formula Weight: 384.50  
Expiry date .....: 11/4/2015

| Tests         | Specifications                                                                                                                                                                 | Results                                                  |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| HPLC          | Column .....: C18, 5 $\mu$ , 4.6 X 250 mm<br>Mob. Phase.....: Methanol:10 mM Ammonium acetate (aq), pH 7.0 (90:10)<br>Flow Rate.....: 1.00 ml/min<br>Detector UV .....: 210 nm | Retention Time Actual.: 6.40 min<br>Purity .....: 99.1 % |
| IR            | Conforms with standard                                                                                                                                                         | Conforms                                                 |
| Mass          | Source Type .....: APCI<br>MH+                                                                                                                                                 | Expected<br>385.2<br>Actual<br>385.2                     |
| Melting Point | 150 - 160 °C                                                                                                                                                                   | 153 - 156 °C                                             |
| TLC           | Mob. Phase.....: Hexane:Ethyl Acetate (60:40)<br>Stationary Phase: Silica Gel<br>Visualized With ..: Sulfuric Acid                                                             | Rf.....: 0.41<br>Purity % .....: 100.00                  |
| UV            | $\lambda$ max .....: 293, 214 nm                                                                                                                                               | $\lambda$ max .....: 293, 214 nm                         |

Analyzed by: Ashley Macey

Approved by: Libby Perry