

# Certificate of analysis



## JWH 018 N-pentanoic acid metabolite 5-(3-(1-naphthoyl)-1H-indol-1-yl)-pentanoic acid

Item number ....:9000856  
Batch number :0442528  
Purity Specification.....: 95%

Molecular Formula: C24H21NO3  
CAS Number .....: 1254475-87-0

Formula Weight: 371.40  
Expiry date .....: 11/9/2015

Tests	Specifications	Results
HPLC	Column .....: C18, 5 $\mu$ , 4.6 X 250 mm Mob. Phase.....: Acetonitrile:Water:Acetic acid (60:40:0.1) Flow Rate.....: 1.00 ml/min Detector UV .....: 218 nm	Retention Time Actual.: 6.30 min Purity .....: 100.0 %
IR	Conforms with standard	Conforms
Mass	Source Type .....: APCI MH+	Expected 372.1 Actual 372.1
TLC	Mob. Phase.....: Dichloromethane:Methanol (90:10) Stationary Phase: Silica Gel Visualized With ..: Sulfuric Acid	Rf .....: 0.51 Purity % .....: 100.00
UV	max .....: 218, 316 nm	max .....: 218, 315 nm

Analyzed by: Jennifer Mastroeni

Approved by: Libby Perry