

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB0630	
<b>Compound name</b>	UCPH 101	
<b>Chemical name</b>	2-Amino-5,6,7,8-tetrahydro-4-(4-methoxyphenyl)-7-(naphthalen-1-yl)-5-oxo-4H-chromene-3-carbonitrile	
<b>Batch number</b>	E0639-8-16	
<b>Batch molecular formula</b>	$C_{27}H_{22}N_2O_3 \cdot 0.25H_2O$	
<b>Batch molecular weight</b>	426.99	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 98.2%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 1% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.6
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in DMSO (25 mM)	Meets specification
Biological validation		

Produced by

Signature

Passed by

Signature

Date

11-10-17

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.