

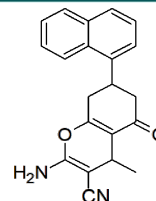
# Certificate of Analysis



## Product Identification

Catalog number	HB6130
Compound name	UCPH 102
Chemical name	2-Amino-5,6,7,8-tetrahydro-4-methyl-7-(1-naphthalenyl)-5-oxo-4H-1-benzopyran-3-carbonitrile
Batch number	E0687-1-4
Batch molecular formula	C <sub>21</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub> ·0.5H <sub>2</sub> O
Batch molecular weight	339.39
Source	Synthetic

## Chemical Structure



## Method

## QC requirement

## QC Result

HPLC	Reverse Phase HPLC shows >97% purity	Meets specification: 97.4%
NMR	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 1% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.6
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (25 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

22/04/2024

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