

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB2840	
<b>Compound name</b>	Cmpd 101	
<b>Chemical name</b>	3-[(4-methyl-5-pyridin-4-yl-1,2,4-triazol-3-yl)methylamino]-N-[[2-(trifluoromethyl)phenyl]methyl]benzamide hydrochloride	
<b>Batch number</b>	E0656-9-6	
<b>Batch molecular formula</b>	C <sub>24</sub> H <sub>21</sub> N <sub>5</sub> OF <sub>3</sub> ·HCl·0.75H <sub>2</sub> O	
<b>Batch molecular weight</b>	516.44	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 99.5%
<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 10% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.6
<b>Physical appearance</b>	Yellow to pale yellow solid	Meets specification: Yellow solid
<b>Solubility</b>	Soluble in DMSO (100 mM)	Meets specification
Biological validation		

Produced by

Signature

Passed by

Signature

Date

07-12-17

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