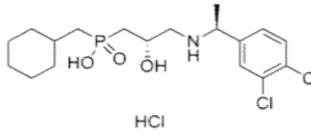


# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB0959	
<b>Compound name</b>	CGP 54626 hydrochloride	
<b>Chemical name</b>	[S-(R*,R*)]-[3-[[1-(3,4-Dichlorophenyl)ethyl]amino]-2-hydroxypropyl](cyclohexylmethyl) phosphinic acid hydrochloride	
<b>Batch number</b>	E1608-19-4	
<b>Batch molecular formula</b>	C <sub>18</sub> H <sub>28</sub> Cl <sub>2</sub> NPO <sub>3</sub> ·HCl	
<b>Batch molecular weight</b>	444.77	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis shows molecular ion	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 4:1:1 BuOH:AcOH:water shows one spot under ninhydrin	Meets specification: R <sub>f</sub> =0.85
<b>Optical rotation</b>	Specific rotation in methanol measured between -25° and -35°	Meets specification: [α] <sub>D</sub> = -27.0° (c=1, MeOH)
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in DMSO (50 mM) and in ethanol (10 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

28/10/2021

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