

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0958	
Compound name	CGP-52432	
Chemical name	3-[[[(3,4-Dichlorophenyl)methyl]amino]propyl] diethoxymethyl)phosphinic acid	
Batch number	E1891-10-1	
Batch molecular formula	C ₁₅ H ₂₄ Cl ₂ NPO ₄ · 1.1H ₂ O	
Batch molecular weight	404.06	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in MeOD 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 20% NH ₃ /IPA shows one spot under ninhydrin	Meets specification: R _f =0.6
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (10 mM with warming)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

18-05-22

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