

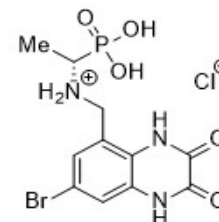
Certificate of Analysis



Product Identification

Catalog number	HB0187
Compound name	CGP 78608 hydrochloride
Chemical name	[(1S)-1-[[[(7-Bromo-1,2,3,4-tetrahydro-2,3-dioxo-5-quinoxaliny)methyl]amino]ethyl]phosphonic acid hydrochloride
Basic molecular formula	C ₁₁ H ₁₃ BrN ₃ O ₅ P.HCl
Basic molecular weight	414.58
Batch number	E2648-13-1
Batch molecular formula	C ₁₁ H ₁₃ BrN ₃ O ₅ P.HCl
Batch molecular weight	414.58
Origin	Synthetic

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >97% purity	Meets specification: 97.7%
NMR	¹ 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 n-BuOH/AcOH/water shows one spot under UV	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM) with 2.2 eq NaOH	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

18/02/2025

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