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# Certificate of Analysis

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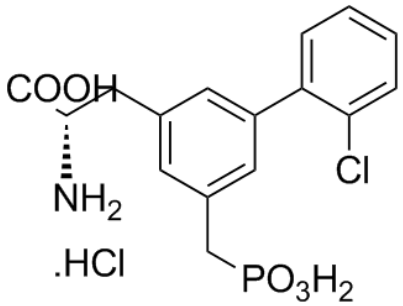
**Product Name** : SDZ 220-581 hydrochloride
**Cat. No.** : PC-43363
**CAS No.** : 179411-93-9
**Batch No.** : PC-4336301
**Chemical Name** : [1,1'-Biphenyl]-3-propanoic acid, α-amino-2'-chloro-5-(phosphonomethyl)-, hydrochloride, (S)- (9CI)

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 406.1976
**Molecular Formula** : $C_{16}H_{18}Cl_2NO_5P$
**Storage** :

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |

**Chemical Structure** :




## ANALYTICAL DATA

**Appearance** : Solid powder
**$^1$H NMR Spectrum** : Consistent with
**HPLC** : Consistent with
**NP** : Consistent with
**Purity (HPLC)** : >98%
**Conclusion** : The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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