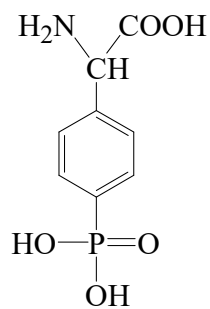




>>Entry Name: α -Amino-4-phosphonobenzeneacetic acid, 9CI

Synonym(s): 4-Phosphonophenylglycine



CAS Registry Number: 123910-71-4

Related CAS Registry Numbers(s): 123910-72-5

Molecular Formula: C₈H₁₀NO₅P

Molecular Weight: 231.145

Accurate Mass: 231.029661

Percentage Composition: C 41.57%; H 4.36%; N 6.06%; O 34.61%; P 13.40%

Biological Use/Importance: Group III selective metabotropic glutamate receptor agonist. Anticonvulsant and neuroprotective agent

Other Data: (+)-form is pharmacol. active

>>Variant: (±)-form

CAS Registry Number: 120667-15-4

Molecular Formula: C₈H₁₀NO₅P

Molecular Weight: 231.145

Accurate Mass: 231.029661

Percentage Composition: C 41.57%; H 4.36%; N 6.06%; O 34.61%; P 13.40%

>>Derivative: Hydrochloride

CAS Registry Number: 120667-18-7

Other Data: Mp >295°

References:

- Eur. Pat.*, 1989, *Warner-Lambert*, 318 935; *CA*, **111**, 233668z, (*synth, pharmacol*)
Bigge, C.F. *et al.*, *J. Med. Chem.*, 1989, **32**, 1580-1590, (*synth, pharmacol*)
Gasparini, F. *et al.*, *J. Pharmacol. Exp. Ther.*, 1999, **289**, 1678-1687, (*pharmacol*)
Gasparini, F. *et al.*, *Bioorg. Med. Chem. Lett.*, 2000, **10**, 1241-1244, (*synth, isomers, pharmacol*)