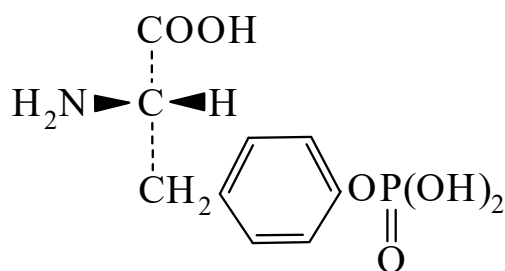




>>Entry Name: ***O*-Phosphotyrosine**

Synonym(s): Tyrosine-*O*-phosphate. Tyrosine *O*-dihydrogen phosphate. *O*-Phosphonotyrosine



Molecular Formula: C₉H₁₂NO₆P

Molecular Weight: 261.171

Accurate Mass: 261.040226

Percentage Composition: C 41.39%; H 4.63%; N 5.36%; O 36.76%; P 11.86%

>>**Variant:** (*S*)-form

Synonym(s): L-form

CAS Registry Number: 21820-51-9

Molecular Formula: C₉H₁₂NO₆P

Molecular Weight: 261.171

Accurate Mass: 261.040226

Percentage Composition: C 41.39%; H 4.63%; N 5.36%; O 36.76%; P 11.86%

Biological Source: Constit. of *Drosophila* spp.

Use/Importance: Product of phosphorylation of tyrosine in cellular proteins in malignant tumour viruses, e.g. Rous sarcoma virus

Physical Description: Cryst. (EtOH/Et₂O, EtOH aq., or H₂O)

Melting Point: Mp 246-247° (226-227°). Mp 253° (dec.)

Optical Rotation: [α]_D²⁰ -5.5 (c, 1 in H₂O). [α]_D²⁰ -8.8 (2*M* HCl)

Fluka: 79720

Sigma: P9405

>>**Variant:** (±)-form

CAS Registry Number: 41863-47-2

Molecular Formula: C₉H₁₂NO₆P

Molecular Weight: 261.171

Accurate Mass: 261.040226

Percentage Composition: C 41.39%; H 4.63%; N 5.36%; O 36.76%; P 11.86%

Melting Point: Mp 244-246°

Aldrich: 28397-5

Sigma: P5024

References:

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