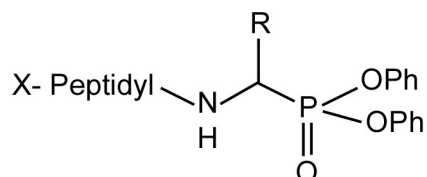


PRODUCT DATA SHEET

Product: Biotin-Ala-Ala-Phep(Oph)₂ (DAP Inhibitor)

Cat. No: AB-045 (5 mg)



(X = Amino-blocking group; H; Detection Probe)

Description:

Biotin-Ala-Ala-Phep(Oph)₂ is a Peptidyl Aminoalkanephosphonate Inhibitor (DAP). The DAP inhibitors, which can be used as an alternative to the Chloromethyl Ketone derivatives (CMK), are serine specific and non-thio reactive.

Features of Peptidyl Amino-alkanephosphonate (DAP):

- non-alkylating
- stable in aqueous solution
- minimal toxicity
- serine specific
- cell permeable

Formula:

C₃₆H₄₄N₅O₇SP

Molecular Weight: 721

Solubility:

Soluble in DMSO

Format:

Off-white solid

Analytical Data:

Mass Spec: M+1=722.1, M+Na=744

Chromatography: 5% MeOH/EtOAC, Rf: 0.5

Storage and Stability:

Stable for >1 year when kept cool and desiccated.

Limitations:

For research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.