

Typical Product Specifications & Properties

H-Ala-Phe-Pro-pNA

CAS Number: : 152104-53-5

Specifications	Limits
Chemical Structure	 <p>The chemical structure of H-Ala-Phe-Pro-pNA is a tripeptide. It consists of a proline ring (a six-membered ring with one nitrogen atom) linked to a phenylalanine residue (a benzene ring attached to a CH2 group, which is further attached to a CH group with an amino group). The phenylalanine residue is linked to an alanine residue (a CH group with an amino group). The alanine residue is linked to a p-nitrobenzoate group (a benzene ring with a nitro group at the para position, which is further attached to a CH2 group, which is further attached to a CH group with a carboxylic acid group). The structure is shown with stereochemistry: the proline ring is in a chair conformation, the phenylalanine residue is in a trans configuration, and the alanine residue is in a trans configuration. The p-nitrobenzoate group is shown with the nitro group in red and the carboxylic acid group in blue. The structure is overlaid with a large, faint 'parchem' watermark and the text 'fine & specialty chemicals'.</p>