

# Analytical Data Sheet

Lot number

**0513663**

not for drug use

**Catalog Number**

**H-9035.0025**

**Product number**

**4030718.0025**

**Product**

**HIV Protease Substrate III**

H- His- Lys- Ala- Arg- Val- Leu- p- nitro- Phe- Glu- Ala- Nle- Ser- NH<sub>2</sub>

**Molecular formula**

C<sub>58</sub>H<sub>95</sub>N<sub>19</sub>O<sub>16</sub>

**Relative molecular mass**

1314.51

Tests	Results
<p><b>Identification (ESI-MS)</b></p>	<p>as expected</p>
<p><b>Amino acid analysis</b></p>	<p>Ser 0.92 (1) Leu 0.94 (1)            Val 0.85 (1) Lys 1.09 (1)            Nph* ND (1) Ala 2.17 (2)            Arg 1.04 (1) Nle 0.97 (1)            Glu 0.96 (1) His 1.02 (1)</p> <p>*p-nitrophenylalanine was not quantitated</p>
<p><b>Solubility</b></p>	<p>at least 1 mg/ml in 0.1 % trifluoroacetic acid in water agitation</p>
<p><b>Purity (HPLC)</b></p>	<p>99.4% (TFA)            96.7% (TEAP)            99.2% (NaClO<sub>4</sub>)</p>
<p><b>Peptide content</b></p>	<p>78%</p>
<p><b>Storage and Reconstitution</b></p>	<p>store desiccated at 0 °C prior to use. Do not freeze/thaw repeatedly. It is best to store reconstituted peptides in small aliquots at -20 °C. Material is not sterile.</p>
<p>Latest update: October 25, 2008</p>	<p><b>Analytical Data Sheet</b>            Lot number <b>0513663</b></p>