

Analytical Data Sheet

Lot number

1042947

not for drug use

Catalog Number

M-2255.0001

Product number

4031302.0001

Product

Mca- (endo- 1a- Dap(Dnp)) - TNF- α (- 5 to +6) amide (human) trifluoroacetate salt
Mca- Pro- Leu- Ala- Gln- Ala- Val- Dap(Dnp) - Arg- Ser- Ser- Ser- Arg- NH₂ trifluoroacetate salt

Molecular formula

C₆₉H₁₀₃N₂₃O₂₄

Relative molecular mass

1638.72

Tests	Results
<p>Identification (MALDI-MS)</p>	<p>as expected</p>
<p>Amino acid analysis</p>	<p>Ser* 1.37 (3) Pro 0.99 (1) Ala 2.00 (2) Leu 0.99 (1) Arg 2.11 (2) Glx 1.00 (1) Val 0.93 (1)</p> <p>7-Methoxycoumarin (Mca)** ND (1) 3 (2,4-Dinitrophenyl) Diaminopropionic acid (Dpa)** ND (1)</p> <p>* Ser was partially destroyed during hydrolysis ** ND - Not determined - Mca and Dpa were not quantitated</p>
<p>Solubility</p>	<p>at least 1 mg/ml in 1/2 portion acetonitrile, then 1/2 portion water with agitation</p>
<p>Purity (HPLC)</p>	<p>> 98%</p>
<p>Peptide content</p>	<p>81.6%</p>
<p>Latest update: June 13, 2012</p>	
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