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**Product Data Sheet**

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Product Name: AMCA-Glu-Glu-Lys-Pro-Ile-Ser-Phe-Phe-Arg-Leu-Gly-Lys(biotinyl)-NH<sub>2</sub>  
Cat. No.: GA20705

**Chemical Properties**

Cas. No. 851231-19-1

Formula C<sub>90</sub>H<sub>131</sub>N<sub>21</sub>O<sub>22</sub>S

M.Wt

1891.22

Solubility Soluble in DMSO

Storage

Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

**Background**

Specific substrate for cathepsin D ( $K_m = 53 \mu\text{M}$ ,  $k_{cat} = 7.28 \text{ s}^{-1}$ ,  $k_{cat}/K_m = 0.14 \mu\text{M}^{-1}\text{s}^{-1}$ ) with a single cathepsin cleavage site between the two Phe residues. It is flanked by an N-terminal AMCA-fluorophore (7-amino-4-methylcoumarin-3

**Caution: Product has not been fully validated for medical applications. For research use only.**

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