
Product Data Sheet

Product Name: Dnp-Arg-Pro-Leu-Ala-Leu-Trp-Arg-Ser-OH

Cat. No.: GA21390

Chemical Properties

Cas. No. 172666-82-9

Formula $C_{52}H_{77}N_{17}O_{14}$ M.Wt 1164.29

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**

The FRET peptide Dnp-RPLALWRS is the best fluorogenic substrate developed for matrix metalloproteinase 1 (MMP-1 or MMP-7) thus far. In addition to good kinetic parameters ($k_{cat}/K_m = 1.9 \cdot 10^6 M^{-1}s^{-1}$), it showed good

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

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