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**Product Data Sheet**

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Product Name: Dnp-(Leu<sup>421</sup>)-Collagen Type VIII  $\alpha$ 1 Chain (419-426) amide (human, mouse)

Cat. No.: GA21389

**Chemical Properties**

Cas. No. 1872435-02-3

Formula C<sub>40</sub>H<sub>64</sub>N<sub>14</sub>O<sub>12</sub>S M.Wt 965.1

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**

Highly sensitive and selective substrate for collagenase-3 (MMP-13) with a  $k_{cat}/K_m$  value of  $4.22 \cdot 10^6 \text{ M}^{-1}\text{s}^{-1}$  (pH = 7.5, T = 37 °C). The  $k_{cat}/K_m$  value of human collagenase-3 for this synthetic peptide is 1344-, 11-, and 820-fold better than that of rel

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

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