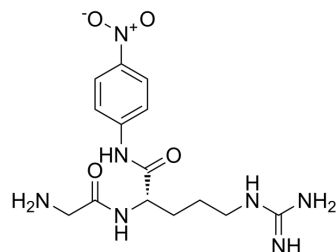


## Gly-Arg-pNA

Cat. No.:	HY-P4465
CAS No.:	103192-40-1
Molecular Formula:	C <sub>14</sub> H <sub>21</sub> N <sub>7</sub> O <sub>4</sub>
Molecular Weight:	351.36
Sequence:	Gly-{Arg-pNA}
Sequence Shortening:	G-{Arg-pNA}
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Gly-Arg-pNA is a fluorogenic substrate for the measurement of protease activity. Gly-Arg-pNA undergoes hydrolysis and releases the fluorescent product p-nitroaniline. p-nitroaniline is in a fluorescent state under ultraviolet light irradiation and can emit a fluorescent signal <sup>[1][2]</sup>.

### REFERENCES

- [1]. Hutchinson DW, et, al. The preparation and properties of immobilised dipeptidyl-aminopeptidase I (cathepsin C). *Biochim Biophys Acta*. 1987 Nov 5;916(1):1-4.
- [2]. Potempa J, et, al. Comparative properties of two cysteine proteinases (gingipains R), the products of two related but individual genes of *Porphyromonas gingivalis*. *J Biol Chem*. 1998 Aug 21;273(34):21648-57.

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

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