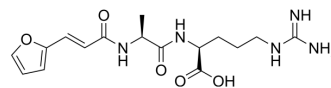


FA-Ala-Arg

Cat. No.:	HY-P4523
CAS No.:	76079-06-6
Molecular Formula:	C ₁₆ H ₂₃ N ₅ O ₅
Molecular Weight:	365.38
Sequence:	{FA}-Ala-Arg
Sequence Shortening:	{FA}-AR
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

FA-Ala-Arg is a dipeptide with furylacryloyl group. FA-Ala-Arg breaks down to produce arginine. While cell-surface Carboxypeptidase-D (CPD) also increases intracellular Arg, which is converted to nitric oxide (NO). FA-Ala-Arg enhances NO production in MCF-7 cells. FA-Ala-Arg also increases the cell survival of prolactin (PRL)-treated cells, PRL regulates CPD mRNA levels in cells^[1].

REFERENCES

[1]. Abdelmagid SA, et al. Prolactin and estrogen up-regulate carboxypeptidase-d to promote nitric oxide production and survival of mcf-7 breast cancer cells. *Endocrinology*. 2008 Oct;149(10):4821-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA