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产品名称: **FURIN INHIBITOR II**
产品别名: 六-D-精氨酸; **Hexa-D-arginine**

生物活性:	
Description	Hexa-D-arginine (Furin Inhibitor II) is a stable furin inhibitor with Ki values 106 nM, 580 nM and 13.2 μ M for furin, PACE4 and prohormone convertase-1 (PC1), respectively. Hexa-D-arginine blocks Pseudomonas exotoxin A and anthrax toxins toxicity in vitro and in vivo[1][2][3].
IC₅₀ & Target	Ki: 106 nM (Furin), 580 nM (PACE4) and 13.2 μ M (PC1)[3]
In Vitro	Hexa-D-arginine effectively blocks Pseudomonas aeruginosa exotoxin A (PEA)-induced cell lysis and is itself noncytotoxic[1].
In Vivo	Administration of Hexa-D-arginine (0.1, 1, or 10 nM) to Pseudomonas aeruginosa exotoxin A (PEA)-treated mice (6-week-old FVB and 129/Sv mice) significantly improves their survival rate and also decreases circulating levels of TNF- α [1].
References	[1]. Sarac MS, et al. The furin inhibitor hexa-D-arginine blocks the activation of Pseudomonas aeruginosa exotoxin A in vivo. Infect Immun. 2002 Dec;70(12):7136-9. [2]. Sarac MS, et al. Protection against anthrax toxemia by hexa-D-arginine in vitro and in vivo. Infect Immun. 2004 Jan;72(1):602-5. [3]. Cameron A, et al. Polyarginines are potent furin inhibitors. J Biol Chem. 2000 Nov 24;275(47):36741-9.

源叶生物