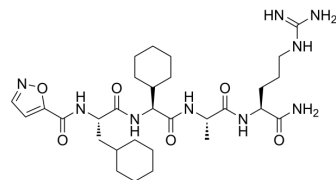


## AY254

Cat. No.:	HY-P3259
CAS No.:	2093408-03-6
Molecular Formula:	C <sub>30</sub> H <sub>49</sub> N <sub>9</sub> O <sub>6</sub>
Molecular Weight:	631.77
Sequence:	{5-Isoxazolylcarbonyl-Cha}-{Chg}-Ala-Arg-NH <sub>2</sub>
Sequence Shortening:	{5-Isoxazolylcarbonyl-Cha}-{Chg}-AR-NH <sub>2</sub>
Target:	Protease Activated Receptor (PAR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	AY254 is an analogue of AY77 (HY-138951). AY254 is ERK-biased PAR2 agonist with an EC <sub>50</sub> of 2 nM. AY254 relieves cytokine-induced caspase 3/8 activation. AY254 also promotes scratch-wound healing and induced IL-8 secretion via PAR2-ERK1/2 signaling <sup>[1]</sup>
IC <sub>50</sub> & Target	PAR2 <sup>[1]</sup>

### REFERENCES

[1]. Jiang Y, et al. Biased Signaling by Agonists of Protease Activated Receptor 2. ACS Chem Biol. 2017 May 19;12(5):1217-1226.

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

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