

AY 254

## Chemical Properties

CAS No. : 2093408-03-6

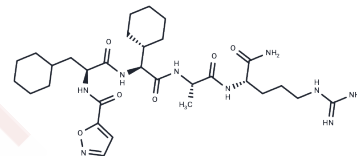
Formula: C30H49N9O6

Molecular Weight: 631.779

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	AY 254 is a potent PAR2 biased agonist. Selectively activates ERK1/2 signaling (EC50= 2 nM for ERK1/2 phosphorylation versus 80 nM for Ca <sup>2+</sup> release). Reduces cytoKi ne-induced caspase 3/8 activation, promotes scratch-wound healing, and induces IL-8 secretion, in human colorectal cancer (HT29) cells in vitro.
Targets(IC50)	Protease-activated Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5828 mL	7.9141 mL	15.8283 mL
5 mM	0.3166 mL	1.5828 mL	3.1657 mL
10 mM	0.1583 mL	0.7914 mL	1.5828 mL
50 mM	0.0317 mL	0.1583 mL	0.3166 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Jiang et al (2017) Biased signaling by agonists of protease activated receptor 2. ACS Chem.Biol. 12 1217 PMID: 28169521

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