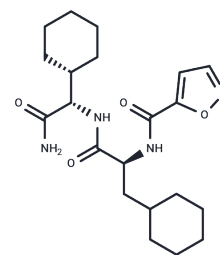


AY 77

Chemical Properties

CAS No. :	1835734-92-3
Formula:	C ₂₁ H ₃₂ N ₄ O ₄
Molecular Weight:	404.5
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	AY 77 (Unk-Cha-Chg-NH ₂) is a potent and selective PAR2 agonist. AY 77 showed selectivity for Ca ²⁺ and ERK1/2 signaling (ec ₅₀ value of Ca ²⁺ release was 40 nM and ec ₅₀ value of ERK1/2 phosphorylation was 2 μM). AY 77 can promote migration of human breast cancer cells in vitro.
Targets(IC ₅₀)	ERK, Calcium Channel, Protease-activated Receptor

Solubility Information

Solubility	Ethanol: 0.9 mg/mL (2.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4722 mL	12.3609 mL	24.7219 mL
5 mM	0.4944 mL	2.4722 mL	4.9444 mL
10 mM	0.2472 mL	1.2361 mL	2.4722 mL
50 mM	0.0494 mL	0.2472 mL	0.4944 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 Y, et al. Biased Signaling by Agonists of Protease Activated Receptor 2. ACS Chem Biol. 2017;12(5):1217-1226.
Yau MK, et al. Potent Small Agonists of Protease Activated Receptor ACS Med Chem Lett. 2015;7(1):105-110.

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