

JAG-1, scrambled TFA

Cat. No.:	HY-P1849A	
Molecular Formula:	$C_{95}H_{128}F_3N_{25}O_{28}S_3$	
Molecular Weight:	2221.37	
Sequence Shortening:	RCGPDCFDNYGRYKYCF	RCGPDCFDNYGRYKYCF (TFA salt)
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro

H₂O : 10 mg/mL (4.50 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.4502 mL	2.2509 mL	4.5017 mL
	5 mM		---	---	---
	10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

JAG-1, scrambled (scJag-1) TFA is a scrambled sequence of JAG-1 (Jagged-1 protein). JAG-1, scrambled TFA has a random sequence of the amino acids that are the same as the active fragment. JAG-1, scrambled TFA is usually used as a negative control^[1].

In Vitro

In contrast to JAG-1, pretreatment of human pulmonary arterial smooth muscle cells (PASMC) with 50 μM scJag-1 TFA for 30 min has no effect on the transient and plateau components of store-operated Ca²⁺ entry (SOCE) in comparison to the cells treated with vehicle used to dissolve scJag-1^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yamamura H, et al. Activation of Notch signaling by short-term treatment with Jagged-1 enhances store-operated Ca(2+) entry in human pulmonary arterial smooth muscle cells. Am J Physiol Cell Physiol. 2014 May 1;306(9):C871-8.

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

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