

GRK2i TFA

Cat. No.:	HY-P1396A	
Molecular Formula:	C ₁₅₂ H ₂₅₇ F ₃ N ₅₀ O ₄₃ S	
Molecular Weight:	3598.1	
Sequence Shortening:	WKKELRDAYREAQQLVQRVPMKMKKPRS	WKKELRDAYREAQQLVQRVPMKMKKPRS (TFA salt)
Target:	G Protein-coupled Receptor Kinase (GRK)	
Pathway:	GPCR/G Protein	
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	H ₂ O : 100 mg/mL (27.79 mM); Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	0.2779 mL	1.3896 mL	2.7792 mL
		5 mM	0.0556 mL	0.2779 mL	0.5558 mL
	10 mM	0.0278 mL	0.1390 mL	0.2779 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (13.90 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	GRK2i TFA is a GRK2 inhibitory polypeptide that specifically inhibits Gβγ activation of GRK2. GRK2i TFA corresponds to the G βγ-binding domain and acts as a cellular Gβγ antagonist ^[1] .
--------------------	---

REFERENCES

[1]. Jorge A Sierra-Fonseca, et al. Nerve growth factor induces neurite outgrowth of PC12 cells by promoting Gβγ-microtubule interaction. BMC Neurosci. 2014 Dec 31;15:132.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA