

Neurokinin B TFA

Cat. No.:	HY-P0242A	
CAS No.:	101536-55-4	
Molecular Formula:	$C_{55}H_{79}N_{13}O_{14}S_{2.2}C_2HF_3O_2$	
Molecular Weight:	1438.47	DMHDFVGLM-NH ₂ (TFA salt)
Sequence:	Asp-Met-His-Asp-Phe-Phe-Val-Gly-Leu-Met-NH ₂	
Sequence Shortening:	DMHDFVGLM-NH ₂	
Target:	Neurokinin Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
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 : 2.5 mg/mL (1.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	0.6952 mL	3.4759 mL	6.9518 mL	
		5 mM	---	---	---	
		10 mM	---	---	---	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	Neurokinin B TFA belongs to the tachykinin family of peptides. Neurokinin B binds a family of GPCRs-including neurokinin receptor 1 (NK1R), NK2R, and NK3R-to mediate their biological effect ^[1] .
IC ₅₀ & Target	Neurokinin receptor ^[1]

REFERENCES

[1]. Navarro VM. Interactions between kisspeptins and neurokinin B. Adv Exp Med Biol. 2013;784:325-47.

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