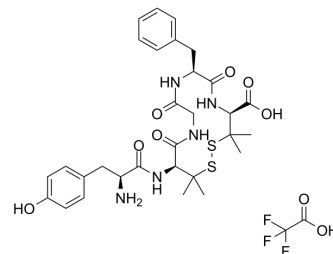


DPDPE TFA

Cat. No.:	HY-P1334A
CAS No.:	172888-59-4
Molecular Formula:	C ₃₂ H ₄₀ F ₃ N ₅ O ₉ S ₂
Molecular Weight:	759.81
Sequence:	Tyr-{Pen}-Gly-Phe-{Pen} (Disulfide bridge:Pen2-Pen5)
Sequence Shortening:	Y{Pen}GF{Pen} (Disulfide bridge:Pen2-Pen5)
Target:	Opioid 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

H₂O : 50 mg/mL (65.81 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3161 mL	6.5806 mL	13.1612 mL
	5 mM	0.2632 mL	1.3161 mL	2.6322 mL
	10 mM	0.1316 mL	0.6581 mL	1.3161 mL

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

BIOLOGICAL ACTIVITY

Description	DPDPE TFA, an opioid peptide, is a selective δ -opioid receptor (DOR) agonist with anticonvulsant effects ^[1] .
IC ₅₀ & Target	δ Opioid Receptor/DOR

REFERENCES

[1]. F C Tortella, et al. Anticonvulsant Effects of Mu (DAGO) and Delta (DPDPE) Enkephalins in Rats. Peptides

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