

TIP 39, Tuberoindubular Neuropeptide

Cat. No.:	HY-P1852
CAS No.:	277302-47-3
Molecular Formula:	C ₂₀₂ H ₃₂₅ N ₆₁ O ₅₄ S
Molecular Weight:	4504.2
Sequence Shortening:	SLALADDAAFRERARLLAALERRHWLNSYMHKLLVLDAP
Target:	Adenylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

SLALADDAAFRERARLLAALERRHWLNSYMHKLLVLDAP

SOLVENT & SOLUBILITY

In Vitro

 H₂O : 50 mg/mL (11.10 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.2220 mL	1.1101 mL	2.2201 mL
	5 mM	0.0444 mL	0.2220 mL	0.4440 mL
	10 mM	0.0222 mL	0.1110 mL	0.2220 mL

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

BIOLOGICAL ACTIVITY

Description

TIP 39, Tuberoindubular Neuropeptide is a neuropeptide and parathyroid hormone 2 receptor (PTH2R) agonist. TIP 39 is highly conserved among species. TIP39 from all species activates adenyl cyclase and elevates intracellular calcium levels through parathyroid hormone 2 receptor (PTH2R)^[1].

REFERENCES

[1]. Della Penna K, et al. Tuberoindubular peptide of 39 residues (TIP39): molecular structure and activity for parathyroid hormone 2 receptor. *Neuropharmacology*. 2003 Jan;44(1):141-53.

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

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