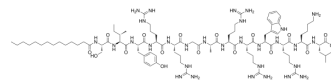


ZIP

Cat. No.:	HY-P1284
CAS No.:	863987-12-6
Molecular Formula:	C ₉₀ H ₁₅₄ N ₃₀ O ₁₇
Molecular Weight:	1928.38
Sequence Shortening:	{Myr-Ser}-IYRRGARRWRKL
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
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

DMSO : 25 mg/mL (12.96 mM; Need ultrasonic)
 H₂O : 6.25 mg/mL (3.24 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.5186 mL	2.5928 mL	5.1857 mL
	5 mM		0.1037 mL	0.5186 mL	1.0371 mL
	10 mM		0.0519 mL	0.2593 mL	0.5186 mL

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

BIOLOGICAL ACTIVITY

Description

ZIP is a selective peptide inhibitor of PKM ζ . ZIP injections can block the impairment in morphine conditioned place preference induced^[1].

IC₅₀ & Target

PKM ζ ^[1]

CUSTOMER VALIDATION

- Eur J Pharmacol. 2021 Nov 30;174658.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Li Y, et, al. Inhibition of PKMzeta in nucleus accumbens core abolishes long-term drug reward memory. J Neurosci. 2011 Apr 6;31(14):5436-46.

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

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