

PDZ1 Domain inhibitor peptide

Cat. No.:	HY-P1195
CAS No.:	1315378-73-4
Molecular Formula:	C ₃₈ H ₆₁ N ₉ O ₁₁
Molecular Weight:	819.94
Sequence Shortening:	YKKTEAV (Lactam bridge:Lys3-Glu5)
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description

PDZ1 Domain inhibitor peptide, a cyclic peptide, incorporates a β-Ala lactam side chain linker and targets the PDZ1 domains of the postsynaptic density protein 95 (PSD-95). PDZ1 Domain inhibitor peptide disrupts the GluR6/PSD-95 interaction and is very efficient in competing against the C terminus of GluR6 for the PDZ1 domain^[1].

REFERENCES

[1]. Andrea Piserchio, et al. Targeting specific PDZ domains of PSD-95; structural basis for enhanced affinity and enzymatic stability of a cyclic peptide. Chem Biol. 2004 Apr;11(4):469-73.

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

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