

## Product Data Sheet

Product Name: CMX-8933

Cat. No.: GC74330

### Chemical Properties

Cas. No. 146877-90-9

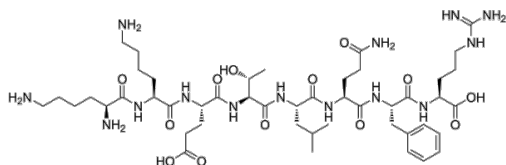
Formula  $C_{47}H_{80}N_{14}O_{13}$  M.Wt 1049.22

Solubility  $H_2O$  : 30 mg/mL (28.59 mM; Need ultrasonic and warming) Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

CMX-8933 is an octapeptide fragment of the goldfish brain neurotrophic factor ependymin. CMX-8933 increases the enzymatic activity of c-Jun N-terminal kinase (JNK), increases the phosphorylation of JNK and c-Jun proteins, and increases the cellular levels of c-Jun and c-Fos mRNA. CMX-8933 can be used to study the role of ependymin in neuroplasticity, learning, memory formation, and neural regeneration.

References:

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

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[1]. Shashoua V E, et al. CMX-8933, a peptide fragment of the glycoprotein ependymin, promotes activation of AP-1 transcription factor in mouse neuroblastoma and rat cortical cell cultures[J]. Neuroscience letters, 2001, 312(2): 103-107.

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