
Product Data Sheet

Product Name: Autocamtide-2-related inhibitory peptide, myristoylated

Cat. No.: GC50305

Chemical Properties

Cas. No. 201422-04-0

Formula $C_{78}H_{142}N_{22}O_{20}$

M.Wt 1708.12

Solubility H_2O : 5 mg/mL (2.93 mM; adjust pH to 2 with HCl) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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**

CaM kinase II inhibitor; enhanced cell permeable derivative of Autocamtide-2-related inhibitory peptide (Cat No. 1688). Pretreatment blocks reinstatement of morphine-seeking behavior in vivo.

Laabich et al (2000) Neuroprotective effect of AIP on N-methyl-D-aspartate-induced cell death in retinal neurons. Brain Res.Mol.Brain Res. 85 32 PMID:11146104 |Liu et al (2012) Inhibition of CaMKII activity in the nucleus accumbens shell blocks the reinstatement of morphine-seeking behavior in rats. Neurosci.Lett. 518 167 PMID:22579819 |Ishida et al (1995) A novel highly specific and potent inhibitor of calmodulin-dependent protein kinase II. Biochem.Biophys.Res.Commun. 212 806 PMID:7626114

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

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