Data Sheet (Cat.No.TP1351)

TargetMol

Kemptide

Chemical Properties

CAS No. : 65189-71-1

Formula: C32H61N13O9

Molecular Weight: 771.91

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Kemptide is a synthetic heptapeptide, acting as a substrate for cAMP-dependent protein kinase (PK).
Targets(IC50)	PKA

Solubility Information

Solubility	H2O: 48 mg/mL (62.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2955 mL	6.4774 mL	12.9549 mL
5 mM	0.2591 mL	1.2955 mL	2.591 mL
10 mM	0.1295 mL	0.6477 mL	1.2955 mL
50 mM	0.0259 mL	0.1295 mL	0.2591 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kübler D, et al. Evidence for ecto-protein kinase activity that phosphorylates Kemptide in a cyclic AMP-dependent mode. J Biol Chem. 1989 Aug 25;264(24):14549-55.
Duncan FE, et al. Transducin-like enhancer of split-6 (TLE6) is a substrate of protein kinase A activity during mouse oocyte maturation. Biol Reprod. 2014 Mar 20;90(3):63.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481