Kemptide
Item No. 15555

CAS Registry No.: 65189-71-1
Synonym: NSC 332190
FW: 771.9
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
Solubility: 25 and 30 mg/ml in DMSO and dimethyl formamide, respectively, and 10 mg/ml in PBS (pH 7.2)

Kemptide is a synthetic heptapeptide that acts as a specific substrate for cAMP-dependent protein kinase (PKA) as it carries the recognition and phosphorylation site of PKA. Various cultured cells can catalyze the phosphorylation of kemptide in the presence of extracellular ATP and cAMP ($K_m = 3-4 \mu M$) with plasma membranes remaining intact.

Reference

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/15555