

For Research Use Only

CREBtide acetate(149155-45-3 free base)



Catalog Number: CM10864

产品信息

Catalog Number:
CM10864

分子量:
1777.07

CAS号:

分子式:
 $C_{75}H_{133}N_{29}O_{21}$

Lys-Arg-Arg-Glu-Ile-Leu-Ser-Arg-Arg-Pro-Ser-Tyr-Arg(acetate salt)

主要靶点:
PKA

主要通路:
蛋白酪氨酸激酶

体外活性

delta-CREB是cAMP响应元件结合蛋白(CREB)的剪接变体。CREBtide(KRREILSRPSYR)是根据delta-CREB中的磷酸化序列设计的合成肽。通过cAMP依赖性蛋白激酶(cAK)测试delta-CREB和CREBtide作为底物。CREBtide被cAK磷酸化的表观Km值为3.9 μ M, 这比经常用于cAK测量的合成肽底物Kemptide(Km=39 μ M)低10倍。CREBtide和Kemptide的Vmax值分别为12.4 μ mol/(min.mg)和9.8 μ mol/(min.mg)。CREBtide被cGMP依赖性蛋白激酶(cGK)磷酸化的表观Km值为2.9 μ M, Vmax值为3.2 μ mol/(min.mg)。与cAK相比, cGK对delta-CREB和CREBtide的磷酸化速率明显较慢, 这意味着delta-CREB展现出高cAK/cGK特异性被该肽保留。

储存

keep away from moisture | Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.

For technical support and original validation data for this product please contact

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.