

Morphine conjugated KLH

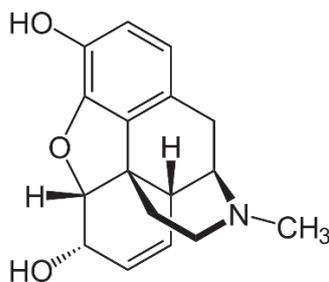
Catalog Number : bs-2129PK

Quantity size: 0.5mg, 1mg

Concentration: 1.25mg/ml, in 0.01M PBS(pH7.4)

Background: Morphine is thought to produce reinforcement phenomena via stimulation of mu, delta, and kappa opioid receptors that regulate stress perception, pain control, reward behavior, and neurohormone secretion in reward-relevant brain systems. It has the highest affinity for mu, followed by delta and kappa. Rapid activation of the mu opioid receptor by morphine results in a euphoric phenotype, thus conferring the reinforcing effects of the drug. This activation is accompanied by extracellular dopamine release, which alters several events related to the cAMP signal transduction pathway. Of particular significance is that CREB seems to be modified by morphine, thereby affecting addictive behavioral phenomena, such as withdrawal symptoms.

Chemical structure: $C_{17}H_{19}NO_3$; MW: 285.34 g/mol



Carrier protein: KLH

Storage: Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

Application Range: Could use for immunizing animal to prepare antibody or coating antigen to detect the antibody.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.