

For Research Use Only

GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE SOD

Catalog Number: CM11475

产品信息

Catalog Number:
CM11475

CAS号:
40732-48-7

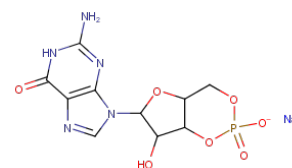
分子式:
 $C_{10}H_{11}N_5NaO_7P$

主要靶点:
PKA

主要通路:
蛋白酪氨酸激酶

分子量:
367.19

溶解度:
DMSO:12 mg/mL (32.68 mM)



描述

GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE, also known as cGMP, is a cellular regulatory agent and has been described as a second messenger. Its levels increase in response to a variety of hormones, including acetylcholine, insulin, and oxytocin. cGMP activates protein kinase G (PKG) and modulates ion channel conductance, with signaling affecting diverse processes including smooth muscle relaxation and proliferation, phototransduction, and energy homeostasis.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years