

For Research Use Only

Guanosine 5'-triphosphate trisodium salt



Catalog Number: CM00287

产品信息

Catalog Number:
CM00287

CAS号:
36051-31-7

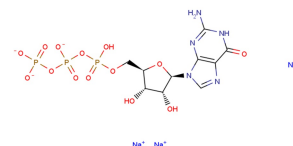
分子式:
 $C_{10}H_{16}N_5Na_3O_{14}P_3$

主要靶点:
Endogenous Metabolite

主要通路:
代谢

分子量:
592.15

溶解度:
DMSO:Insoluble,H2O:10 mM



描述

Guanosine 5'-triphosphate trisodium salt activates the signal transducing G proteins which are involved in various cellular processes including proliferation, differentiation, and activation of several intracellular kinase cascades. Proliferation and apoptosis are regulated in part by the hydrolysis of GTP by small GTPases Ras and Rho. Another type of small GTPase, Rab, plays a role in the docking and fusion of vesicles and may also be involved in vesicle formation. In addition to its role in signal transduction, GTP also serves as an energy-rich precursor of mononucleotide units in the enzymatic biosynthesis of DNA and RNA.

储存

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

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

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