

Guanosine 5'-diphosphate (sodium salt hydrate)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Guanosine 5'-diphosphate (GDP) is a purine nucleotide and biosynthetic precursor of guanosine 5'-triphosphate .It has been used to study the conformations of GTPases. 2GDP (100 µM) activates sulfonylurea receptor 2B (SUR2B) linked to the inward-rectifier potassium channel 6.1 (Kir6.1) in HEK293T cells in a patch-clamp assay.3
Targets(IC50)	Others

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Berg, J.M., Tymoczko, J.L., and Stryer, L.Biochemistry(2002)

Vetter, I.R., and Wittinghofer, A.The guanine nucleotide-binding switch in three dimensionsScience294(5545)1299-1304(2001)

Yamada, M., Isomoto, S., Matsumoto, S., et al.Sulphonylurea receptor 2B and Kir6.1 form a sulphonylurea-sensitive but ATP-insensitive K+ channelJ. Physiol.499(Pt 3)715-720(1997)

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