

5'-pApA (sodium salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

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

Biological Description

Description	5'-pApA is a linearized form of cyclic di-AMP, a bacterial second messenger that activates the host innate immune system through stimulator of interferon genes (STING). ^{1,2,3,4} It is a metabolite of cyclic di-AMP formed via hydrolysis by various phosphodiesterases (PDEs). 5'-pApA is intended for use as a negative control for cyclic di-AMP signaling.
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Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Burdette, D.L., Monroe, K.M., Sotelo-Troha, K., et al. STING is a direct innate immune sensor of cyclic-di-GMP. *Nature* 478(7370):515-518 (2011)

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