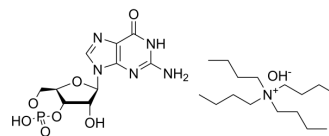


Cyclic GMP (TBAOH)

Cat. No.: HY-113469B
Molecular Formula: C₂₆H₄₉N₆O₈P
Molecular Weight: 604.68
Target: Others
Pathway: Others
Storage: -20°C, stored under nitrogen, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (165.38 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		1.6538 mL	8.2688 mL	16.5377 mL
	5 mM		0.3308 mL	1.6538 mL	3.3075 mL
	10 mM		0.1654 mL	0.8269 mL	1.6538 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cyclic GMP TBAOH is a tetra-n-butylammonium hydroxide (TBAOH) form of Cyclic GMP (HY-12512). Cyclic GMP is an endogenous second messenger that regulates a variety of cellular processes including apoptosis, vasodilation, and neurotransmission through the activation of signaling pathways such as Protein Kinase G in cells^[1].

REFERENCES

- [1]. Wu J, et al. Cyclic GMP-AMP is an endogenous second messenger in innate immune signaling by cytosolic DNA. *Science*. 2013 Feb 15;339(6121):826-30.
- [2]. Jenal U, et al. Cyclic di-GMP: second messenger extraordinaire. *Nat Rev Microbiol*. 2017 May;15(5):271-284.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA