

3'3'-cGAMP (sodium salt) Biochemical

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CATALOG #
AAA227371

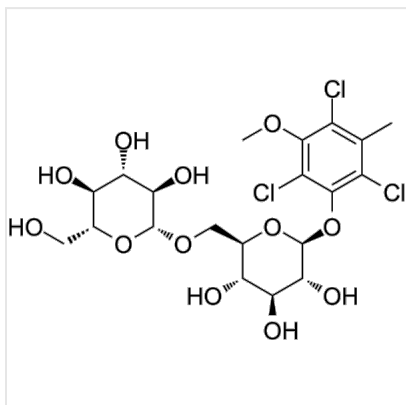
PRODUCT SYNONYMS

3'3'-cGAMP (sodium salt); 3'3'-cGAMP (sodium salt) biochemical

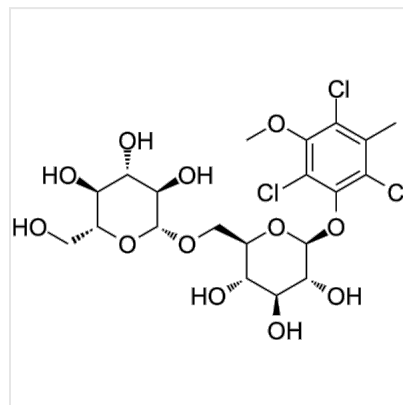
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H ₂ O: 10 mM <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES


Structure

2,4,6-Trichloro-3-methyl-5-methoxy-phenol 1-O-beta-D-glucopyranosyl-(1 → 6)-beta-D-glucopyranoside, CAS 1447969-66-5


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ADDITIONAL INFORMATION

Related Product Information for 3'3'-cGAMP (sodium salt) biochemical	3'3'-cGAMP is a second messenger produced in bacteria by specific dinucleotide cyclases. It contains canonical 3'5'-phosphodiester bonds and regulates chemotaxis, colonization, and other cellular functions. 3'3'-cGAMP shows weaker binding to the adapter protein stimulator of interferon genes (STING; K _d = 1.04 μM) than 2'2'-cGAMP and 2'3'-cGAMP but has similar binding affinity to 3'2'-cGAMP (K _d = 1.61 μM) and cyclic di-GMP. 3'3'-cGAMP induces IFN-β mRNA expression in L929 cells (EC ₅₀ = 40.5 nM).
References	1. Xiao-Xiao Hong, et al. Two new chlorophenyl glycosides from the bulbs of <i>Lilium brownii</i> var. <i>viridulum</i> . J Asian Nat Prod Res. 2012;14(8):769-75.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.