Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

STING Agonist, 2?3?-cGAMP - CAS 1441190-66-4 - Calbiochem

Art. ID	SAF-5318890001
Unit	EA
Deliverydetails	No Dangerous Good /not restricted

Description

A cyclic-dinucleotide (cyclic-GMP-AMP) based compound that binds to the C-terminal domain of adaptor endoplasmic reticulum protein known as STING with high affinity (Kd = 4 nM) and induces the synthesis of interferon-b (IFN-b) in mammalian cells (EC50 = 20 nM). Shown to increase IFN-b production in M2-polarized macrophages associated with non-small cell lung carcinoma and enhances the expression of M1 markers iNOS and IL-12p40, while simultaneously reducing the expression of the M2 markers, Arg-1 and Fizz1. Exhibits about 300 fold greater affinity for STING than c-DiGMP, 3',2'-cGAMP, and 3',3'-cGAMP and about 75 fold greater affinity over 2',2'-cGAMP.Please note that the molecular weight for this compound is batch-specific due to variable water content., A cyclic-dinucleotide (cyclic-GMP-AMP) based compound that binds to the C-terminal domain of adaptor endoplasmic reticulum protein known as STING with high affinity (Kd = 4 nM) and induces the synthesis of interferon-b (IFN-b) in mammalian cells (EC50 = 20 nM). Shown to increase IFN-b production in M2-polarized macrophages associated with non-small cell lung carcinoma and enhances the expression of M1 markers iNOS and IL-12p40, while simultaneously reducing the expression of the M2 markers, Arg-1 and Fizz1. Exhibits about 300 fold greater affinity for STING than c-DiGMP, 3',2'-cGAMP, and 3',3'-cGAMP and about 75 fold greater affinity over 2',2'-cGAMP.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	2',3'-cGAMP sodium salt	[1441190-66-4]				