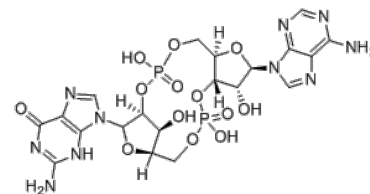


Product Name : 2'3'-cGAMP
Cat. No. : PC-62660
CAS No. : 1441190-66-4
Molecular Formula : C₂₀H₂₄N₁₀O₁₃P₂
Molecular Weight : 674.41
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

2'3'-cGAMP is a potent **STING** activator that binds to STING with K_d of 1.61 μM.

The K_d of 2'3'-cGAMP is ~300 fold lower than those of c-di-GMP, 3'2'-cGAMP and 3'3'-cGAMP, and ~75 fold lower than that of 2'2'-cGAMP.

2'3'-cGAMP a potent inducer of IFNβ in cells (EC₅₀ ~ 20 nM).

References

Zhang X, et al. *Mol Cell*. 2013 Jul 25;51(2):226-35.

Li L, et al. *Nat Chem Biol*. 2014 Dec;10(12):1043-8.

Shi H, et al. *Proc Natl Acad Sci U S A*. 2015 Jul 21;112(29):8947-52.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com