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Product Datasheet

2,3-cGAMP, CAS [[1441190-66-4]] FBM-10-1639

Article Name	2,3-cGAMP, CAS [[1441190-66-4]]
Biozol Catalog Number	FBM-10-1639
Supplier Catalog Number	10-1639
Alternative Catalog Number	FBM-10-1639-200UG,FBM-10-1639-1MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Endogenous STING agonist...
Molecular Weight	718.38
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1441190-66-4]
Formula	C ₂₀ H ₂₂ N ₁₀ O ₁₃ P ₂ Na
Application Notes	2,3-cGAMP (CAS 1441190-66-4) is an endogenous STING (stimulator of interferon genes) agonist. ¹ Produced from ATP and GTP via the action of cGMP-AMP synthase (cGAS) which acts as a cytosolic DNA sensor. ^{2,3} Induces autophagy which is a mechanism for clearance of DNA and viruses in the cytosol. ⁴ DNA damage stimulates 2,3-cGAMP which stimulates an inflammatory response. ⁵