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Product Datasheet

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

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|----------------------------|---|
| 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 |