

## Product Datasheet

### Cyclic di-UMP (sodium salt) (orb1985010)

|                        |                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | Cyclic di-UMP is a pyrimidine-containing cyclic dinucleotide (CDN). It is produced by bacterial cGAS/DncV-like nucleotidyltransferases (CD-NTases), such as LpCdnE02 from <i>L. pneumophila</i> , and binds to cGAS, in the apo or dsDNA-bound forms, with reduced affinity compared to 2'3'-cGAMP or 3'3'-cGAMP .1,2 Cyclic di-UMP is intended for use as a negative control for cyclic di-GMP signaling. |
| <b>Storage</b>         | -20°C                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>          | 98.00%                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                            |

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