

# Product Datasheet

## Temporin A acetate (orb3177659)

|                 |                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog Number  | orb3177659                                                                                                                                                                                                                                                |
| Category        | Proteins                                                                                                                                                                                                                                                  |
| Description     | Temporin A acetate is a natural short α-helical antimicrobial peptide that targets microbial cell membranes and exhibits inhibitory effects against a broad spectrum of Gram-positive bacteria and fungi.                                                 |
| Target          | Antibacterial,Antifungal                                                                                                                                                                                                                                  |
| Purity          | 99.96% (May vary between batches)                                                                                                                                                                                                                         |
| MW              | 1456.84                                                                                                                                                                                                                                                   |
| Formula         | C <sub>70</sub> H <sub>121</sub> N <sub>17</sub> O <sub>16</sub>                                                                                                                                                                                          |
| SMILES          | [N[C@@H](CC1=CC=CC=C1)C(N[C@@H](CC(C)C)C(N2[C@@H](CCC2)C(N[C@@H])(CC(C)C)C(N[C@@H]([C@@H](C)CC)C(NCC(N[C@@H](CCNC(N)=N)C(N[C@@H](C(C)C)C(N[C@@H](CC(C)C)C(N[C@@H](CO)C(NCC(N[C@@H]([C@@H](C)CC)C(N[C@H](C(N)=O)CC(C)C)=O)=O)=O)=O)=O)=O)=O)=O)=O).CC(O)=O |
| Storage         | -20°C                                                                                                                                                                                                                                                     |
| Note            | For research use only                                                                                                                                                                                                                                     |
| Expiration Date | 12 months from date of receipt.                                                                                                                                                                                                                           |

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558