

## Product Datasheet

### Antimicrobial agent-36 (orb2945255)

|                        |   |
|------------------------|---|
| <b>Catalog Number</b>  | orb2945255  |
| <b>Category</b>        | Small Molecules   |
| <b>Description</b>     | Antimicrobial agent-36 (Compound 8b) is a DNA gyrase inhibitor (IC <sub>50</sub> = 4.56 μM) used in antibiotic research. Its application extends to the development of nanoparticle drug delivery systems for evaluating efficacy in both in vitro and in vivo antimicrobial studies. |
| <b>Target</b>          | Antibacterial   |
| <b>MW</b>              | 512.581   |
| <b>Formula</b>         | C <sub>31</sub> H <sub>20</sub> N <sub>4</sub> O <sub>2</sub> S   |
| <b>SMILES</b>          | <chem>CC1=CC=C(C=C1)C2=NN(C=C2/C=C(/C#N)\C3=NC(=CS3)C4=CC5=CC=CC=C5OC4=O)C6=CC=CC=C6</chem>   |
| <b>Storage</b>         | -20°C   |
| <b>Note</b>            | For research use only   |
| <b>Expiration Date</b> | 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](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

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

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