

Product Datasheet

Antimycin A4 (orb1692835)

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| Catalog Number | orb1692835 |
| Category | Small Molecules |
| Description | Antimycin A4, the most polar congener in the antimycin complex, is an inhibitor of ATP-citrate lyase ($K_i=64.8 \mu\text{M}$) and mitochondrial complex III. This inhibition blocks electron transport, depletes ATP, and increases superoxide production, making it a key research tool for studying respiration, apoptosis via Bcl-2/Bcl-xL inhibition, and oxidative stress in vitro. |
| Target | Others |
| MW | 506.552 |
| CAS Number | 27220-59-3 |
| Formula | $\text{C}_{25}\text{H}_{34}\text{N}_2\text{O}_9$ |
| SMILES | <chem>CCCC[C@@H]1[C@@H](OC(=O)CCC)[C@H](C)OC(=O)[C@@H](NC(=O)c2cccc(NC=O)c2O)[C@@H](C)OC1=O</chem> |
| 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, 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 27713-2847
United States

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