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| <b>Product Name:</b>      | Lasalocid  |
| <b>Product Number:</b>    | L025   |
| <b>CAS Number:</b>        | 25999-31-9   |
| <b>Molecular Formula:</b> | $C_{34}H_{54}O_8$  |
| <b>Molecular Weight:</b>  | 590.8  |
| <b>Appearance:</b>        | White solid  |
| <b>Description:</b>       | <p>Lasalocid is a polyether ionophore with potent antibacterial activity isolated from <i>Streptomyces lasaliensis</i>, first reported in 1951. Lasalocid was developed as an animal health product for treatment of coccidia. Lasalocid is able to form neutral complexes with monovalent and divalent cations and transport the ions through apolar phase (including lipid bilayer membranes). Interestingly, lasalocid can also transport larger organic cations, e.g. protonated dopamine.</p> <p>Lasalocid is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p> |
| <b>References:</b>        | <p>The isolation of three new crystalline antibiotics from <i>Streptomyces</i>. Berger J. et al. J. Am. Chem. Soc. 1951, 73, 5295.</p>   |