BIOSYNTHESIS OF 12-, 14- AND 16-MEMBERED MACROLIDES Pyruvate metabolism Valine, leucine and isoleucine degradation (2S)-Methylmalonyl-CoA Methylmalonyl-Coを含す Propanoyl-Co Λ° Malonyl-CoA°Ф° 2-Methylbutanoyl-CoA • • Malonyl-♥ (2S)-Methyl-♥ malonyl-CoA Malonyl-CoĄŲ ∇oA. Malonyl-CoA Methylmalonyl-CoA Methyl-K14371 K16000 K16001 malonyl-K15988 K10817 K16007 MegA K16002 K16003 K16002 CoA dTDP-D-6-Deoxy-erythronolide B mycaminose 6,8a-Seco-6,8a-deoxy-5-oxoavermectin "1a" aglycone o"2a" - 10-Deoxymethynolide _**©**Tylactone °Ф8,8a-Deoxyoleandolide Narbonolide _{€-@33 K15989 K16004 K16004 K14366 K16008 K14372 VlegF K16005 K16005 K15990 🙏 10-Deoxymethymycin _{p1}5-O-β-Mycaminosyl-Erythronolide B°💇 **Poleandolide \$**Narbomwin 5-Oxoavermectin "1a" aglycone OO"2a" tylactone dTDP-L-olivose K15992 K16006 K14367 K16009 K14373 K14373 MegBV

