Gamithromycin

Synonyms : ML 1709460

Specifications
CAS # : 145435-72-9
Molecular Formula : C₄₀H₇₆N₂O₁₂
Molecular Weight : 777.0
Source : Semi-synthetic
Appearance : White solid
Purity : >95% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes
Gamithromycin is a semi-synthetic macrocyclic lactone derived from erthyromycin and belonging to the azalide class, typified by azithromycin. The synthesis of gamithromycin involves a ring expansion using a Beckmann rearrangement to produce the 15-membered dibasic macrolide. Gamithromycin provides a broader spectrum of action, higher acid stability and improved bioavailability compared to older analogues of the erythromycin class and has been exclusively developed for animal health applications.

References