Tildipirosin is a semi-synthetic antibiotic derived from a tylosin derivative by iodination and reaction with piperidine. The introduction of a third basic moiety into the tylosin core provides a wider spectrum of antibiotic action than the dibasic analogues such as tilmicosin, in particular good protection against Pasteurella in livestock. Tildipirosin's interaction with the ribosomal site of action differs from that of tylosin and tilmicosin.

Tildipirosin is soluble in ethanol, methanol, DMF and DMSO.

References: