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(54) Title: N-FORMYL HYDROXYLAMINE COMPOUNDS

(57) Abstract: Novel N-formyl hydroxylamine compounds and their derivatives are disclosed. These N-formyl hydroxylamine compounds inhibit peptidyl deformylase (PDF), an enzyme present in prokaryotes. The compounds are useful as antimicrobials and antibiotics. The compounds of the invention display selective inhibition of peptidyl deformylase versus other metalloproteinases such as MMPs. Methods of preparation and use of the compounds are also disclosed.

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