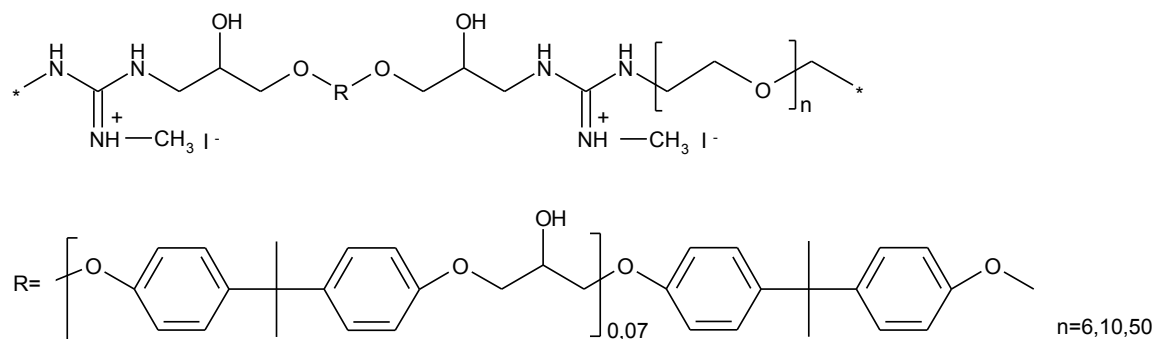


Method for preparing polyetherguanidinium iodide of the general formula:



with bactericidal and fungicidal activity for disinfection and sterilization of materials is carried out by reacting guanidinium-containing oligoether with terminal guanidinium groups and diamine, wherein oligooxyethylene diamine of various molecular weights is used as diamine, followed by treatment of base polyetherguanidine (PEG) with methyl iodide at a molar ratio of PEG to methyl iodide of 1:2.