

[54] **BIS-QUATERNARY
PYRIDINIUM-2-ALDOXIME SALTS AND A
PROCESS FOR THEIR PREPARATION**

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[21] Appl. No.: **786,693**

[22] Filed: **Apr. 11, 1977**

[30] **Foreign Application Priority Data**

Apr. 14, 1976 [DE] Fed. Rep. of Germany 2616481

[51] Int. Cl.² **A61K 31/44; A61K 31/455; C07D 213/78**

[52] U.S. Cl. **424/263; 424/266; 544/331; 544/296; 546/262; 546/263**

[58] Field of Search **260/296 D, 295 R, 295 AM, 260/295.5 A, 296 M; 424/266, 263**

[56] **References Cited**

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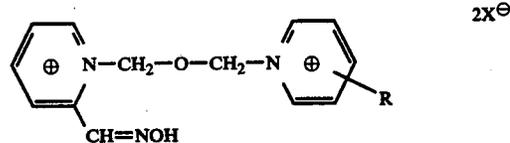
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[57] **ABSTRACT**

Bis-quaternary pyridinium-2-aldoxime salts of the formula



wherein R is —CO—R¹, —CO—NR²R³ or —COOR⁴; R¹ is alkyl of 1 - 6 carbon atoms, cyclohexyl, Ar or benzyl; R² is H, alkyl of 1 - 6 carbon atoms, cyclohexyl, Ar, aralkyl of 7 - 13 carbon atoms or 2-pyrimidyl; R³ is alkyl of 2 - 6 carbon atoms, cyclohexyl, Ar, aralkyl of 7 - 13 carbon atoms or 2-pyrimidyl; R⁴ is alkyl of 2 - 6 carbon atoms, cyclohexyl, Ar or benzyl; Ar is phenyl or phenyl monosubstituted or polysubstituted by alkyl of 1 - 4 carbon atoms, methoxy, Cl, or naphthyl and X is Cl, Br or I, are antidotes for phosphorus-containing pesticides and chemical warfare agents.

17 Claims, No Drawings