1,149,564

PATENT SPECIFICATION

NO DRAWINGS

1,149,564

Date of Application and filing Complete Specification: 8 June, 1966.
No. 38857/66.
Application made in Germany (No. F46283 IVd/12p) on 9 June, 1965.
(Divided of out No. 1149563).
Complete Specification Published: 23 April, 1969.
© Crown Copyright 1969.

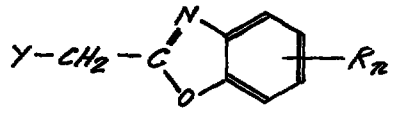
Index at acceptance:—C2 C(1G5B, 1G6B5)
Int. Cl.:—C 07 d 85/48

COMPLETE SPECIFICATION

2-Halogenmethyl-Benzoxazoles

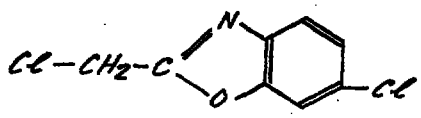
We, FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRÜNING, a Company recognised by German Law, of 6230 Frankfurt (M)-Hoechst, Germany, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

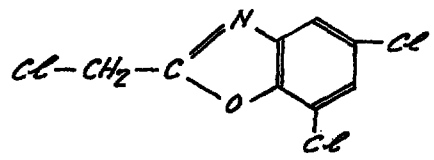
The present invention provides three specific compounds falling within the scope of the general formula



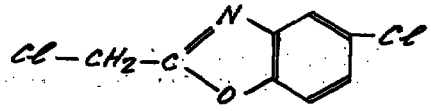
in which Y stands for a chlorine atom, R represents a chlorine atom, and $n=1$ or 2.

The new compounds of the invention are those of the formulæ





and



The new 2-chloromethyl-benzoxazoles may be prepared for example from the corresponding 2-chloroacetylaminophenols.

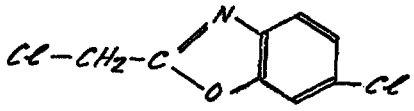
The compounds of the invention may be used as starting materials for the manufacture of the dithiophosphoric acid esters of our copending Application No. 25558/66 (Serial No. 1149563).

The following example illustrates the invention.

EXAMPLE

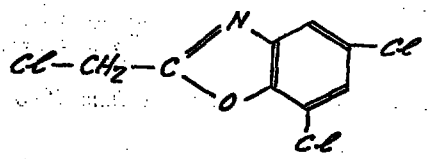
66 Grams of 2-chloroacetamino-4-chlorophenol are heated for 30 minutes with 0.5 gram of zinc chloride in 300 millilitres of *o*-dichlorobenzene under such conditions that *o*-dichlorobenzene distills off slowly and until water no longer passes over with the *o*-dichlorobenzene. The reaction mixture is cooled to room temperature, the solution is shaken with water and separated. The *o*-dichlorobenzene is separated from the solution by distillation under reduced pressure. The residue which solidifies at about 47°C is recrystallized from methanol. 56 grams of 2-chloromethyl-5-chlorobenzoxazole having a melting-point of 54 to 55°C are obtained.

The melting-points of the other compounds of the invention are as follows:



m.p. 58—59°C

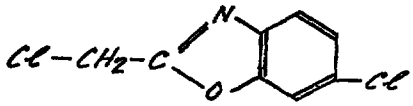
[Price 4s. 6d.]



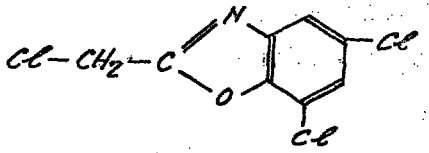
m.p. 60—61°C

WHAT WE CLAIM IS:—

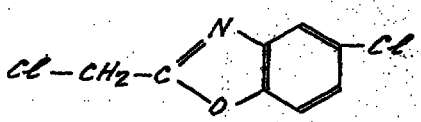
1. The compound of the formula



2. The compound of the formula



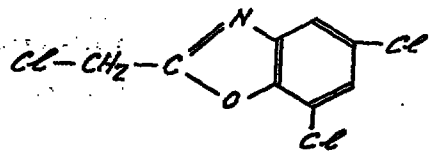
3. The compound of the formula



4. A process for the manufacture of a 2-halogenmethyl-benzoxazole specified in any one of claims 1 to 3, conducted substantially as described and exemplified herein.

ABEL & IMRAY,
Chartered Patent Agents,
Quality House, Quality Court,
Chancery Lane, London, W.C.2.

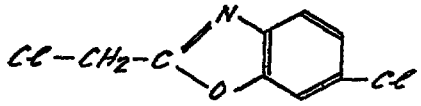
Printed for Her Majesty's Stationery Office by the Courier Press, Leamington Spa, 1969.
Published by the Patent Office, 25, Southampton Buildings, London, W.C.2, from which copies may be obtained.



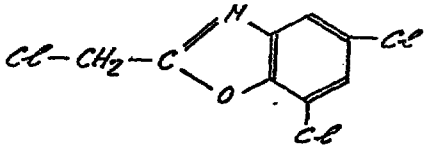
m.p. 60—61°C

WHAT WE CLAIM IS:—

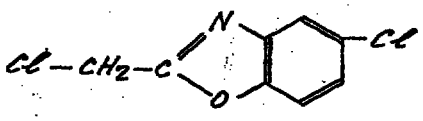
1. The compound of the formula



2. The compound of the formula



3. The compound of the formula



4. A process for the manufacture of a 2-halogenmethyl-benzoxazole specified in any one of claims 1 to 3, conducted substantially as described and exemplified herein.

ABEL & IMRAY,
Chartered Patent Agents,
Quality House, Quality Court,
Chancery Lane, London, W.C.2.

Printed for Her Majesty's Stationery Office by the Courier Press, Leamington Spa, 1969.
Published by the Patent Office, 25, Southampton Buildings, London, W.C.2, from which copies may be obtained.

