hydroxyphenyl)butyrate], bis(3-t-butyl-4-hydroxy-5-methylphenyl)dicyclopentadiene, bis[2-(3'-t-butyl-2'-hydroxy-5'-methylbenzyl)-6-t-butyl-4-methylphenyl]terephthalate, 1,1-bis(3,5-dimethyl-2-hydroxyphenyl)butane, 2,2-bis(3,5-di-t-butyl-4-hydroxyphenyl)propane, 2,2-bis(5-t-butyl-4-hydroxy-2-methylphenyl)-4-n-dodecylmercaptobutane, 1,1,5,5-tetra(5-t-butyl-4-hydroxy-2-methylphenyl)pentane, 2-t-butyl-6-(3'-t-butyl-2'-hydroxybenzyl)-4-methylphenylacrylate, 2,4-di-t-pentyl-6-[1-(2-hydroxy-3,5-di-t-pentylphenyl)ethyl]phenylacrylate and any mixtures thereof.

[0051]

(7) Examples of O-, N- and S-benzyl derivatives

3,5,3',5'-Tetra-t-butyl-4,4'-dihydroxydibenzylether, octadecyl-4-hydroxy-3,5-dimethylbenzylmercaptoacetate, tris(3,5-di-t-butyl-4-hydroxybenzyl)amine, bis(4-t-butyl-3-hydroxy-2,6-dimethylbenzyl)dithioterephthalate, bis(3,5-di-t-butyl-4-hydroxybenzyl)sulfide, isooctyl-3,5-di-t-butyl-4-hydroxybenzylmercaptoacetate and any mixtures thereof.

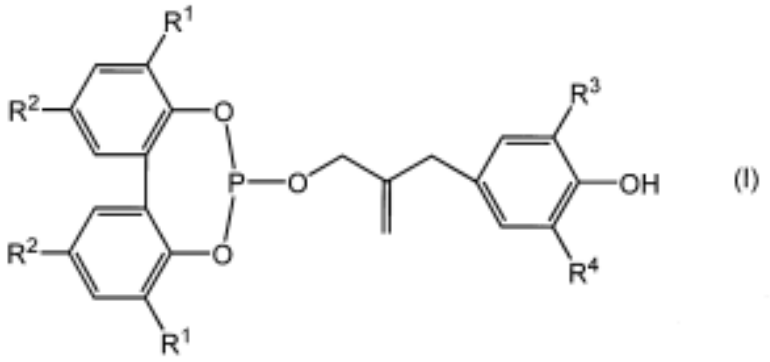
(8) Examples of hydroxybenzylated malonate derivatives

Dioctadecyl-2,2-bis(3,5-di-t-butyl-2-

CLAIMS

1. A phosphite compound represented by the formula (I)

[Formula 1]

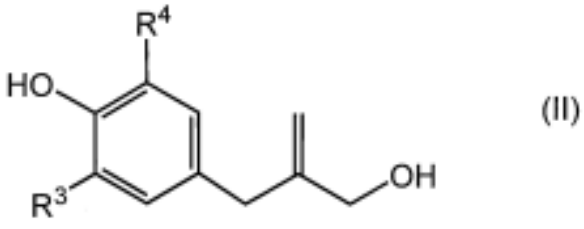


(I)

wherein R^1, R^2, R^3 and R^4 each independently represent a hydrogen atom, an alkyl group having 1 to 8 carbon atoms, a cycloalkyl group having 5 to 8 carbon atoms, an alkyl cycloalkyl group having 6 to 12 carbon atoms, an aralkyl group having 7 to 12 carbon atoms or an aryl group having 6 to 12 carbon atoms.

2. A method for producing the phosphite compound according to claim 1, wherein a hydroxy compound represented by the formula (II)

[Formula 2]

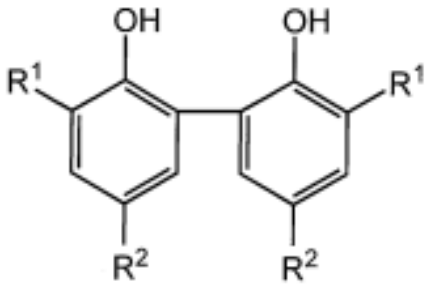


(II)

,

a bisphenol compound represented by the formula (III)

[Formula 3]



(III)

wherein R^1, R^2, R^3 and R^4 are as defined in claim 1, and a phosphorus trihalide are reacted.

3. A stabilizer for an organic material, comprising the phosphite compound according to claim 1.

4. The stabilizer according to claim 3, wherein the organic material is a thermoplastic resin.

5. The stabilizer according to claim 4, wherein the thermoplastic resin is a polyolefin or an engineering plastic.

6. A method for stabilizing an organic material, wherein the phosphite compound according to claim 1 is added to an organic material.

7. The method according to claim 6, wherein the organic material is a thermoplastic resin.

8. The method according to claim 7, wherein the thermoplastic resin is a polyolefin or an engineering plastic.

9. A stabilized organic material composition comprising an organic material and a phosphite compound according to claim 1.

10. The composition according to claim 9, wherein the organic material is a thermoplastic resin.

11. The composition according to claim 10, wherein the thermoplastic resin is a polyolefin or an engineering plastic.