polymers, poly glycidylnitrate, and combinations thereof.

5. The propellant according to any one of claims 1 to 4, wherein the energetic material is nitrocellulose.

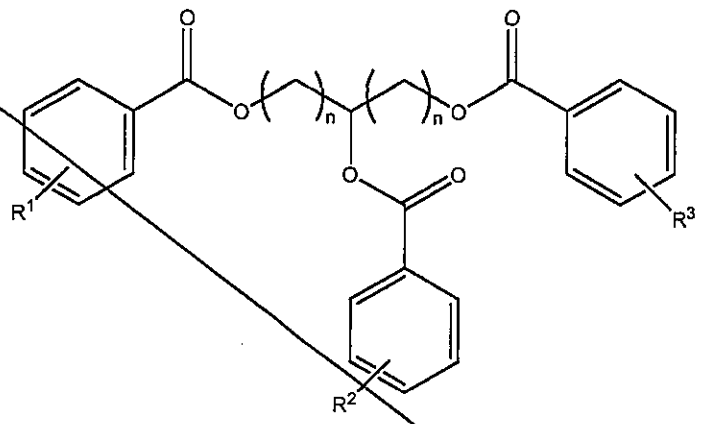
6. The propellant according to any one of claims 2 to 5, wherein the compound of formula 1 is in the form of a coating on the surface of the granules.

7. The propellant according to any one of claims 2 to 5, wherein the compound of formula 1 is dispersed throughout the granules.

8. The propellant according to any one of claims 2 to 5, wherein the compound of formula 1 is dispersed throughout the granules and is in the form of a coating on the surface of the granules.

9. The propellant according to any one of claims 1 to 8, further comprising a graphite layer.

~~10. A burn rate modifier comprising a compound of formula 1~~



wherein

R^1 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, $-NO_2$, $-NHNH_2$, -N(C_{1-4}alkyl)NH_2, and -CN;

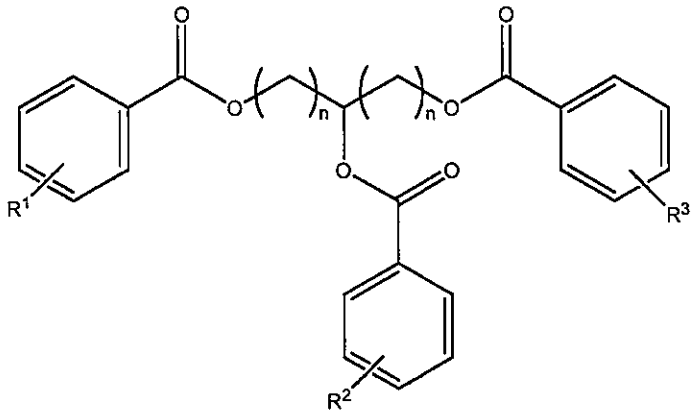
R^2 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, $-NO_2$, $-NHNH_2$, -N(C_{1-4}alkyl)NH_2, and -CN;

R^3 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, $-NO_2$, $-NHNH_2$, -N(C_{1-4}alkyl)NH_2, and –CN; and

n is an integer from 1 to 4.

11. The burn rate modifier according to claim 10, wherein the compound is glycerol tribenzoate.

10. ~~12.~~ Use of a compound of formula 1



wherein

R^1 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, -NO_2, -$NHNH_2$, -N(C_{1-4}alkyl)NH_2, and -CN;

R^2 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, -NO_2, -$NHNH_2$, -N(C_{1-4}alkyl)NH_2, and -CN;

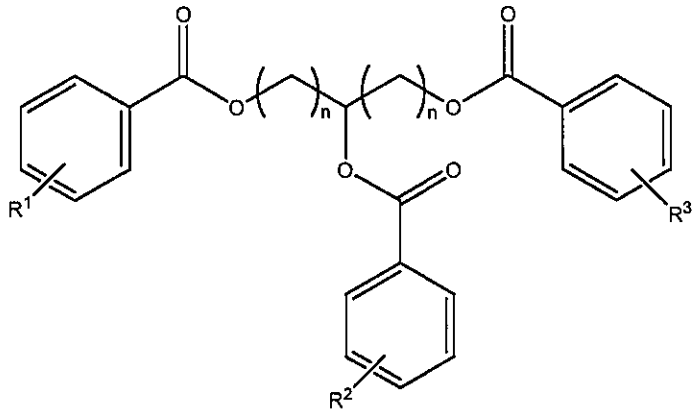
R^3 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, -NO_2, -$NHNH_2$, -N(C_{1-4}alkyl)NH_2, and –CN; and

n is an integer from 1 to 4;

as a burn rate modifier.

11. ~~13.~~ The use according to claim 10, ~~12~~, wherein the compound is glycerol tribenzoate.

12. ~~14.~~ A method of preparing a propellant, comprising coating granules of an energetic material with a compound of formula 1



wherein

R^1 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, -NO_2, -$NHNH_2$, -N(C_{1-4}alkyl)NH_2, and -CN;

R^2 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -NHC_{1-4}alkyl, -N(C_{1-4}alkyl)$_2$, -NO_2, -$NHNH_2$, -N(C_{1-4}alkyl)NH_2, and -CN;

R^3 is selected from the group consisting of -H, -OH, -O(C_{1-4}alkyl), -C_{1-4}alkyl, -

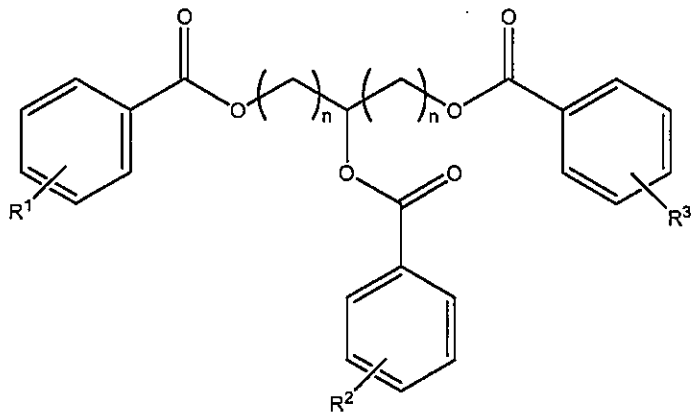
$NHC_{1-4}alkyl$, $-N(C_{1-4}alkyl)_2$, $-NO_2$, $-NHNH_2$, $-N(C_{1-4}alkyl)NH_2$, and –CN; and
n is an integer from 1 to 4.

13. ~~15.~~ The method according to claim 12 ~~14~~, wherein the granules of energetic material are formed by extruding a slurry of the energetic material to form an extrudate cord and cutting the extrudate cord.

14. ~~16.~~ The method according to claim 13 ~~15~~, wherein the energetic material is extruded with a perforation.

15. ~~17.~~ The method according to any one of claims 12 ~~14~~ to 14 ~~16~~, wherein the compound of formula 1 is diffused into the granules of energetic material.

16. ~~18.~~ A method of preparing a propellant, comprising dispersing a compound of formula 1



wherein
R^1 is selected from the group consisting of -H, -OH, $-O(C_{1-4}alkyl)$, $-C_{1-4}alkyl$, $-NHC_{1-4}alkyl$, $-N(C_{1-4}alkyl)_2$, $-NO_2$, $-NHNH_2$, $-N(C_{1-4}alkyl)NH_2$, and -CN;
R^2 is selected from the group consisting of -H, -OH, $-O(C_{1-4}alkyl)$, $-C_{1-4}alkyl$, $-NHC_{1-4}alkyl$, $-N(C_{1-4}alkyl)_2$, $-NO_2$, $-NHNH_2$, $-N(C_{1-4}alkyl)NH_2$, and -CN;
R^3 is selected from the group consisting of -H, -OH, $-O(C_{1-4}alkyl)$, $-C_{1-4}alkyl$, $-NHC_{1-4}alkyl$, $-N(C_{1-4}alkyl)_2$, $-NO_2$, $-NHNH_2$, $-N(C_{1-4}alkyl)NH_2$, and –CN; and
n is an integer from 1 to 4
throughout an energetic material and granulating the energetic material.

17. ~~19.~~ An ammunition cartridge comprising a propellant according to any one of claims 1 to 9.

18. ~~20.~~ An ammunition cartridge comprising a casing, a propellant according to any one of claims 1 to 9, a primer and a projectile.