

5502015

INFRARED TRANSMITTING BARIUM FLUORIDE SINTERED BODY

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The present invention provides an infrared ray transmitting material, even large-sized one being manufacturable at a low price, consisting of a polycrystal not liable to cleavage, which makes only a slight absorption of infrared rays all over the region of 8-11 μm wave lengths, thus being highly transmissive. The material is a polycrystalline barium fluoride sintered body excellent in transmission to infrared region of 8-11 μm wave lengths, one that is most excellent in the infrared transmission being produced by a method comprising the hot press sintering and the HIP treatment in combination, one that gives somewhat inferior transmission but which is low-priced by a method comprising the CIP molding and the normal pressure sintering in combination, and one that regarded as intermediate between the aforementioned two by a method comprising the CIP molding, normal-pressure sintering and the HIP treatment in combination, in all cases entirely without addition of any binder or sintering aid.

5502044

FLUORINATED 4-AMINOANDROSTADIENONE DERIVATIVES AND PROCESS FOR THEIR PREPARATION

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The present invention relates to a compound of formula (I) (*See Patent for Chemical Structure*) wherein (x) and (y) are single or double bonds; A is a (*See Patent for Chemical Structure*) R and R3 are hydrogen or acyl; R1 is hydrogen or fluorine; and wherein: when (y) is a single bond, R2 is hydrogen, fluorine methyl, trifluoromethyl; when (y) is a double bond, R2 is methylene provided that when one of (x) or (y) is a double bond the other is a single bond and at least one

of R1 and R2 is fluorine or trifluoromethyl or a pharmaceutically acceptable salt thereof. The compounds of formula (I) are useful as aromatase inhibitors.

5502115

FLUROELASTOMER COMPOSITIONS CONTAINING BROMINE AND IODINE IN THE POLYMERIC CHAIN WITH A REDUCED EMISSION OF TOXIC ALKYLHALO COMPOUNDS DURING CURING WITH THE PEROXIDE

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The emission of the highly toxic volatile products, such as methyl bromides or iodides, or ethyl bromides or iodides, during the cure with peroxides of fluoroelastomers containing bromine or iodine atoms is substantially reduced by adding to the cure mix small amounts of substances capable of combining with the radicals which give rise to the aforesaid toxic products, thereby preventing them from forming. This procedure does not sensibly affect the cure trend and results.

5502225

PERFLUROALKYL TERMINATED URETHANE LUBRICANTS

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This invention relates to perfluoroalkyl group terminated urethanes, thiourethanes and ureas of the general formula (*See Patent for Tabular Presentation*) PS where m is 1, 2 or 3, R is Rf-E and optionally R1 with the proviso that at least one R is Rf-E, Rf is a perfluoroalkyl group, R1 is a hydrocarbon group, E is a divalent linking group, X is -O-, -S-, -NR2- and R2 is H or lower alkyl and A is RfE or R1 if m is 1 and a divalent or trivalent linking group if m is 2 or 3 respectively. Compounds of this general formula are useful as solid lubricants or as additives for waxes and resins providing lubricating properties.