

Process for preparing a compound of formula RSH by hydrosulfurization**ABSTRACT**

5 The invention concerns a method for preparing a compound of formula RSH
where R represents an alkyl group, by gas-phase catalytic reaction of hydrogen
sulfide with a compound of formula ROH, in the presence of a solid catalyst,
according to which method the reaction is performed in the presence of a catalyst
which comprises or consists of one or several pure or mixed rare-earth oxide(s), one
10 or several pure or mixed rare-earth sulfide(s), or one or several pure or mixed rare-
earth oxysulfide(s), provided that when the rare earth is lanthanum, said catalyst is a
mixed oxide of lanthanum and of at least one metal selected from rare earths or not
and when the rare earth is cerium, said catalyst is supported on an alumina.

15 [No Available Figure]