

**METHODS FOR PRODUCING THIOL COMPOUNDS AND SULFIDE COMPOUNDS USING
DIPHENYLAMINE OR A PHENOL COMPOUND**

ABSTRACT

The present invention discloses processes for producing a thiol compound or a sulfide compound from an olefin compound. Diphenylamine or a phenol compound can be used to increase the rate of conversion of the olefin compound to the thiol compound or the sulfide compound.

[Figure 1]