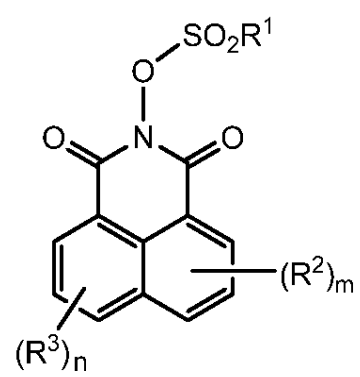


ABSTRACT

AROMATIC IMIDE COMPOUND AND METHOD FOR PREPARING THE SAME

[Problem] to provide an aromatic imide compound wherein the sensitivity for visible light such as g-line, h-line etc. is increased and solubility is also improved.

[Means for solving problem] The aromatic imide compound of the invention is a compound represented by the formula (1) below (in the formula, R^1 represents a haloalkyl group having 1 to 7 carbon atoms or a haloaryl group, R^2 represents a group containing a substituted or unsubstituted, aliphatic or aromatic group which may have a heteroatom, and adjacent R^2 s may form an imido group by connecting each other, R^3 represent a halogen atom or a hydrocarbon group, m is zero or an integer of 1 or more, n is zero or an integer of 1 or more, and a sum of n and m is 1 to 6). These compounds are obtained by following processes. A halogenated naphtharic anhydride is reacted with an aromatic group-containing hydrocarbon such as ethynylbenzene to prepare a naphthalic anhydride substituted by an aromatic group-containing group. The obtained compound is then reacted with hydroxylamine hydrochloride to be made N-hydroxyimidization. Finally, the resultant compound is reacted with a sulfonyl halide such as trifluoromethylsulfonyl chloride to obtain the objective compound.



(1)