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(57) Abstract :

ABSTRACT A METHOD FOR OBTAINING DERIVATIVES OF 2-ISOBUTOXY-5-(THIAZOL-2-YL) BENZENE The invention provides a method for obtaining derivatives of 2-Isobutoxy-5-(thiazol-2-yl)benzene. The method includes preparing a solution of a precursor molecule 3-cyano-4-isobutoxybenzothioamide in an organic solvent. A compound of formula RCOCHR₁X is added to the precursor solution to obtain a first reaction mixture. The first reaction mixture is then subjected to a first reflux reaction to obtain a derivative of 2-Isobutoxy-5-(thiazol-2-yl)benzene. The obtained derivative is a 2-isobutoxy-5-(thiazol-2-yl)benzonitrile and derivatives thereof. The 2-isobutoxy-5-(thiazol-2-yl)benzonitrile is then treated with an alkali followed by the addition of a primary alcohol and water to obtain a second reaction mixture. The second reaction mixture is then subjected to a second reflux reaction followed by an acidification reaction to obtain a derivative of 2-Isobutoxy-5-(thiazol-2-yl)benzene. The obtained derivative is a 2-isobutoxy-5-(thiazol-2-yl)benzoic acid and derivatives thereof.

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