

ABSTRACT

The present disclosure provides a method for preparing 1-[5-(2-fluorophenyl)-1-{[3-(3-methoxypropoxy)phenyl]sulfonyl}-1*H*-pyrrol-3-yl]-*N*-methylmethylaniline and hydrochloride thereof. The method comprises an optimized post-treatment in preparation of 3-(3-

5 methoxypropoxy)benzenesulfonyl chloride (H2), which results in high purity of its sodium sulfonate salt through simple impurity removal and thus high purity and stable quality of 3-(3-methoxypropoxy)benzenesulfonyl chloride (H2) through reaction with a chlorinating agent. The method comprises preparing 5-(2-fluorophenyl)-1-{[3-(3-methoxypropoxy)phenyl]sulfonyl}-1*H*-pyrrole-3-carbaldehyde (H3) under the action of a base with addition of a small amount of
10 catalyst, but achieving a higher reaction conversion rate. The 1-[5-(2-fluorophenyl)-1-{[3-(3-methoxypropoxy)phenyl]sulfonyl}-1*H*-pyrrol-3-yl]-*N*-methylmethylaniline and hydrochloride thereof prepared by this method have low impurity content and high yield, making them suitable for industrial production.

[NO FIGURE]

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