SYNTHESIS OF N-(4-FLUOROBENZYL)-N-(I-METHYLPIPERIDIN-4-YL)-N'-(4-(2-METHYLPROPYLOXY)PHENYLMETHYL)CARBAMIDE AND ITS TARTRATE SALT AND CRYSTALLINE FORMS

ABSTRACT

Disclosed herein are methods for synthesizing N-(4-fluorobenzyl -N-(I-methylpiperidin-)4-yl)-N'-(442-methylpropyloxy)˙phenylmethyl)carbamide, Formula (I). Also disclosed herein is the hemi-tartrate salt of N-(4-fluorobenzyl)-N-(I-methylpiperidin-4-yl)-N'-(4-(2-methylpropyloxy)-phenylmethyl)carbamide and methods for obtaining the salt. Further disclosed are various crystalline forms of N-(4-fluorobenzyl)-N-(I-methylpiperidin-4-yl)-N'-(4-(2-metylpropyloxy)-phenymethyl)carbamide and its hemi-tartrate salt including various polymorphs and solvates.

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