Strem Chemicals, Inc.

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Catalog # 07-1355

3-[[3,5-Bis(trifluoromethyl)phenyl]amino]-4-[[(1R,2R)-2-(1-pyrrolidinyl)cyclohexyl]amino]-3-cyclobutene-1,2-dione, 95%, (99% ee)

Technical Notes:

1. Michael Addition- An efficient diastereo- and enantioselective addition of α-substituted isocyanoacetates to N-aryl maleimides.

$$R^{2} \cdot N + R^{1}OOC \cdot Ar \xrightarrow{3n \ (10 \ mol \%)} R^{2} \cdot N \xrightarrow{COOR^{1}} COOR^{1}$$

$$Up \ to \ 99\% \ yield$$

$$up \ to \ 920:1 \ dr$$

$$up \ to \ 920:1 \ dr$$

$$up \ to \ 91\% \ e.e.$$

$$Ref. \ (1)$$

References:

1. Tetrahedron, 2013, 69, 10763-10771.