Strem Chemicals, Inc.

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Catalog # 07-7129

3-[[3,5-Bis(trifluoromethyl)phenyl]amino]-4-[[(1R,2R)-2-(dimethylamino)cyclohexyl]amino]-3-cyclobutene-1,2-dione

Technical Notes:

1. **Neber Reaction:** The first enantioselective Neber reaction of β -ketoxime sulfonates catalyzed by a bifunctional thiourea has been developed.

$$\begin{array}{c} \text{ArO}_2\text{OS} \\ \text{N} \\ \text{OR}^2 \end{array} \begin{array}{c} \text{Catalyst (5 mol\%)} \\ \text{Na}_2\text{CO}_3 \text{ (10 equiv)} \\ \text{up to 96\%} \end{array} \begin{array}{c} \text{N} \\ \text{R}^1 \\ \text{OR}^2 \end{array} \begin{array}{c} \text{Tech Note (1)} \\ \text{Ref. (1)} \end{array}$$

References:

1. Org. Lett., 2011, 13, 6374-6377.