

Cheap and Safe Synthetic Route to PFLAs

Exploratory investigations into the synthesis of perfluoroarylated Lewis acids (PFLAs) using commercially available and energetically stable precursors of low cost have been conducted. The results are encouraging and indicate that the synthesis of such materials may be possible via a route that avoids the use of perfluoroaryllithium compounds, grignards, or transmetallation chemistry involving preformed PFLAs {e.g. bis(pentafluorophenyl)zinc}.

Cost = \$40k (Stage 1)

Likelihood of Success = 7

Earning Potential = High

Return on Investment = Open to Negotiation