

Bismuth-mediated organic reactions

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20405816&lokasi=lokal>

Abstrak

This book covers bismuth catalysts in aqueous media, pentavalent organobismuth reagents in organic synthesis : alkylation, alcohol oxidation and cationic photopolymerization, environmentally friendly organic synthesis using bismuth (III) compounds, bismuth-catalyzed addition of silyl nucleophiles to carbonyl compounds and imines, bismuth salts in catalytic alkylation reactions, new applications for bismuth(III) salts in organic synthesis : from bulk chemicals to steroid and terpene chemistry, cationic bismuth-catalyzed hydroamination and direct substitution of the hydroxy group in alcohols with amides, transition-metal catalyzed C–C bond formation using organobismuth compounds, and bismuth(III) salts as synthetic tools in organic transformations.