ASYMETRIC ELECTROPHILIC FLUORINATION USING AN ANIONIC CHIRAL PHASEE-TRANSFER CATALYST

Tech ID: 23405 / UC Case 2012-047-0

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	9,981,977	05/29/2018	2012-047

BRIEF DESCRIPTION

The invention is a novel family of chiral catalysts for electrophilic addition reactions especially for fluorination. The catalysts are salts including a chiral anionic component a a cationic component. They are chiral, non-racemic compounds that function as phase transfer catalysts in certain asymmetric synthetic organic transformations.

SUGGESTED USES

The ability to selectively transform a prochiral center in a compound to an enantiomerically enriched or enantiomerically pure chiral center has broad application, especially in the agricultural, pharmaceutical and polymer industries.

ADVANTAGES

Transform a prochiral center in a compound to an enamtiomerically enriched or enantiomerically pure chiral center.

RELATED MATERIALS

OTHER INFORMATION

Non-exclusively licensed.

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INVENTORS

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OTHER INFORMATION

CATEGORIZED AS

» **Biotechnology**

» Health

» **Medical**

» New Chemical Entities, Drug Leads

» Therapeutics

RELATED CASES

2012-047-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Bioinspired Oxidative Cyclization Reagents For Chemoselective Tryptophan Bioconjugation
- Redox-Based Reagents For Methionine Bioconjugation
- Symmetric, Air-Tolerant And Membraneless All Organic Flow Batteries
- pH Signaling and Regulation in Pyridinium Redox Flow Batteries

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