

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 enantiomerically enriched or enantiomerically pure chiral center.

RELATED MATERIALS

OTHER INFORMATION

Non-exclusively licensed.

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ [Au\(III\) Complexes For \[18F\] Trifluoromethylation](#)

CONTACT

Craig K. Kennedy
craig.kennedy@berkeley.edu
tel: .



INVENTORS

- » Toste, Francisco D.

OTHER INFORMATION

CATEGORIZED AS

- » **Biotechnology**
- » Health
- » **Medical**
- » New Chemical Entities, Drug Leads
- » Therapeutics

RELATED CASES

2012-047-0