UNIVERSITI MALAYA

IP MARKETPLACE

CONNECTING INNOVATION TO YOUR BUSINESS

TECH OFFER

A METHOD FOR PRODUCING A MACROCYCLIC METAL COMPLEX

MORE INFORMATION

MEGA-TREND

- Chemicals and Materials

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 3

PATENT/ GRANTED NUMBER

- MY-175983-A

TECHNOLOGY OVERVIEW

The present invention relates to a method of producing a macrocyclic transition metal complex, comprises the steps of: preparing a diformyl compund by mixing trimethylindolenine and dimethylformamide, and phorphoryl chloride, under cool condition to form a resulting mixture and subsequently heating said resulting mixture followed by basification; reacting the diformyl with diamine in lower alcohol containing acid to produce a macrocyclic ligand; mixing a transition metal (II) salt with the macrocyclic

ligand under heat with dioxane and triethylamine; and refluxing said mixture to produce the macrocyclic transition metal complex.

CONTACT US!

Dr. Lee Ching Shya
UMCIE Business Officer
Email: leecs@um.edu.my
Phone: +603 – 7967 7351 / 7352