

## Product Application Bulletin

EDPP: A REAGENT FOR PREPARATION OF DIPHENYLPHOSPHINE OXIDES VIA ARBUZOV REACTION WITH AN APPROPRIATE HALOMETHYL HETEROCYCLE/AROMATIC.

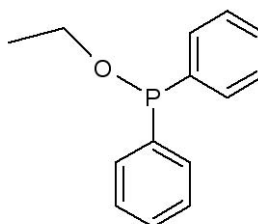
**Chemical Name:**

Ethyl Diphenylphosphinite (EDPP)

**CAS Registry Number:**

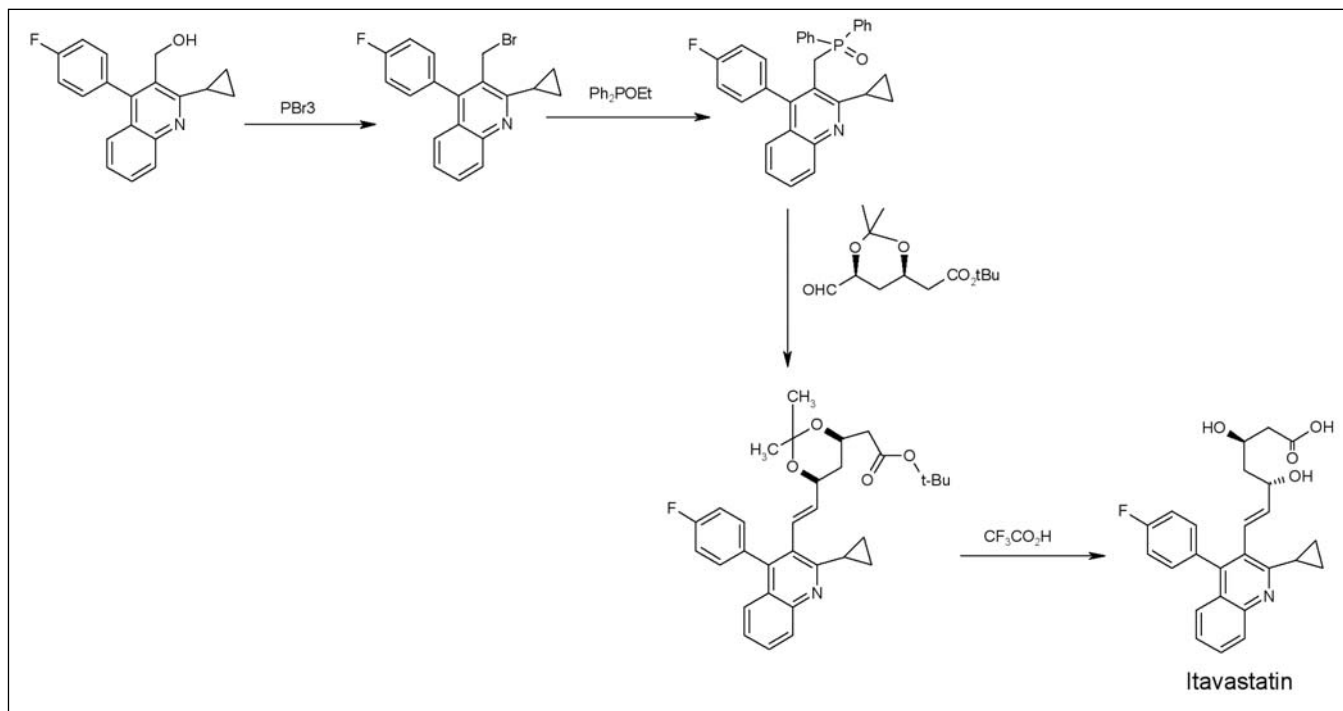
719-80-2

**Structure:**

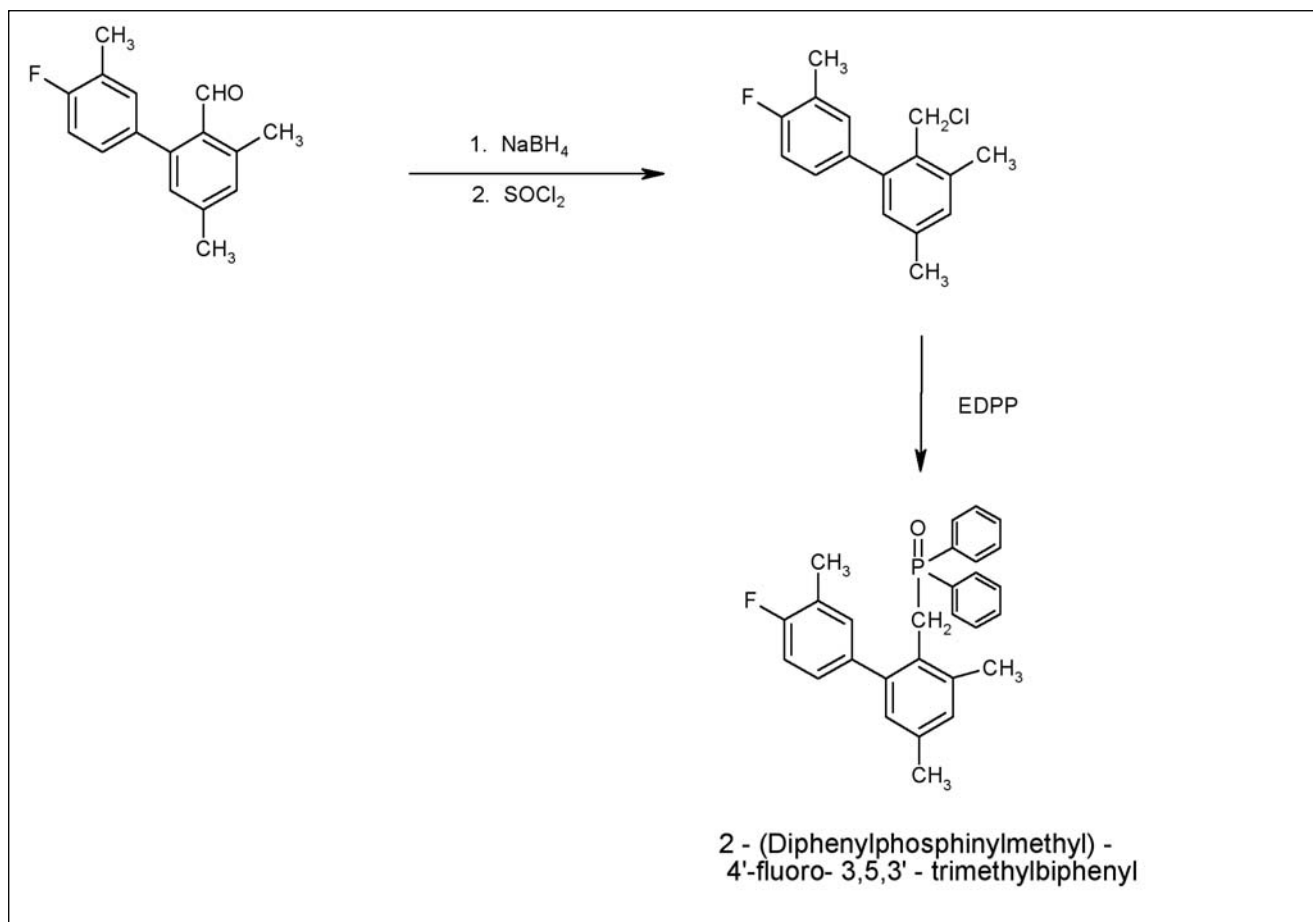


**Examples / Use:**

A. Synthesis of Nissan's Itavastatin.



B. Synthesis of 2-(Diphenylphosphinylmethyl) - 4'-fluoro- 3,5,3' - trimethylbiphenyl. Useful in treating or preventing cardiac arrhythmia.



### Summary:

#### THERAPEUTIC AREA:

Useful in the synthesis of superstatins.

#### FUNCTIONALITY:

Diphenylphosphine oxides are of interest as:

- API's
- HEW intermediates useful in the manufacture of superstatins

#### References:

- A. Drugs of the Future, 1998 23(8), 847-859  
B. WO 98/18475 (1998)

### IMPORTANT NOTICE

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