

TIPMDP: BUILDING BLOCK FOR BISPHOSPHONATE BASED API'S.

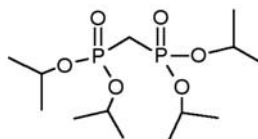
Chemical Name:

Tetraisopropyl Methylenediphosphonate (TIPMDP)

CAS Registry Number:

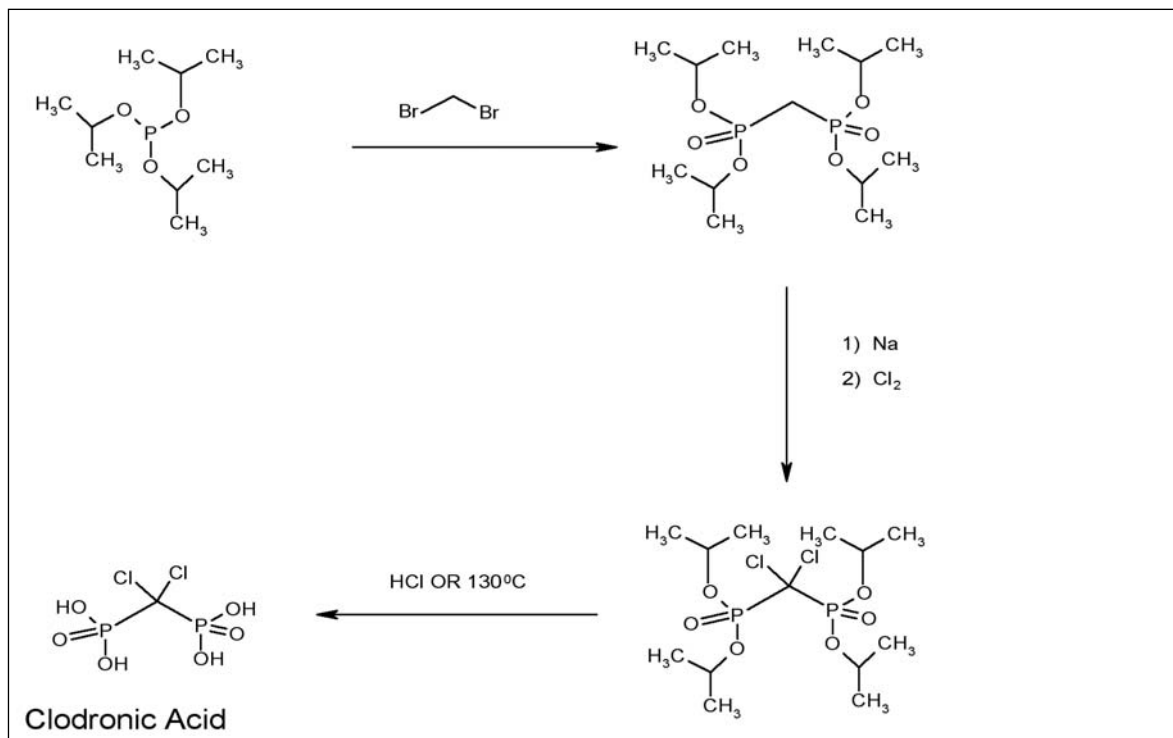
1660-95-3

Structure:

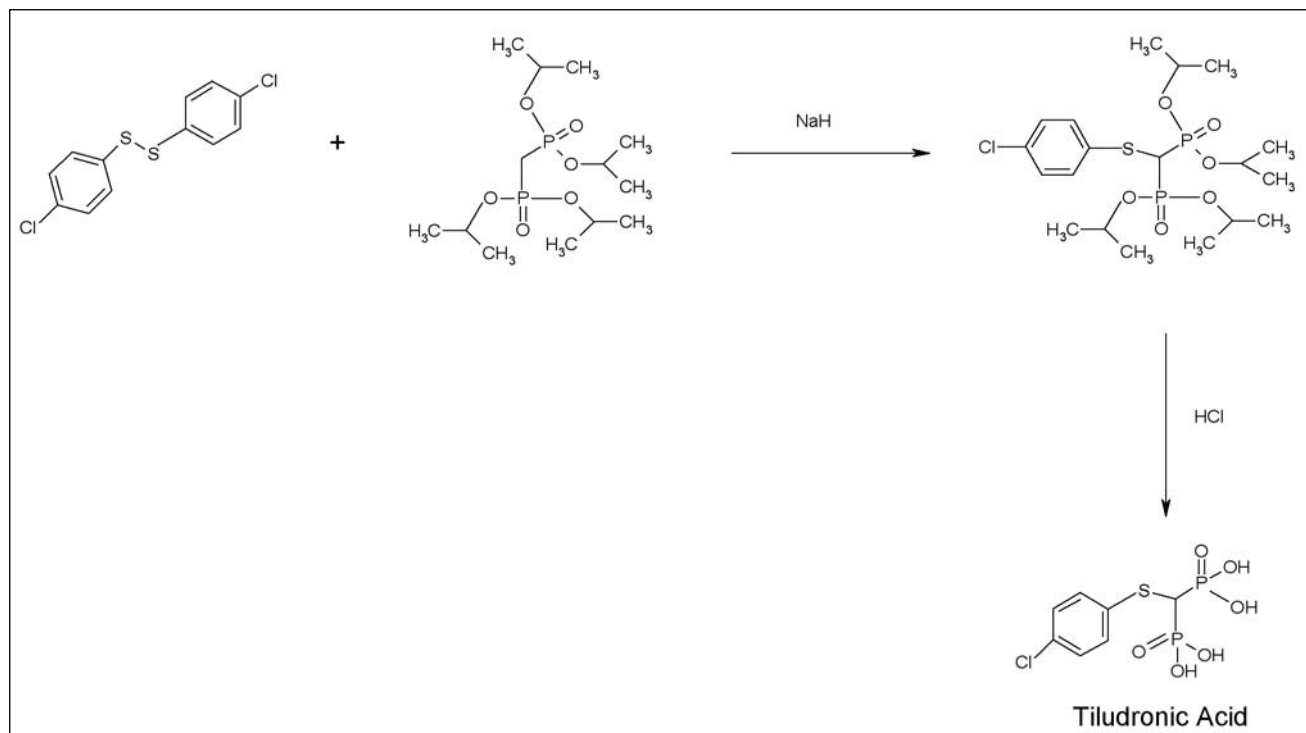


Examples / Use:

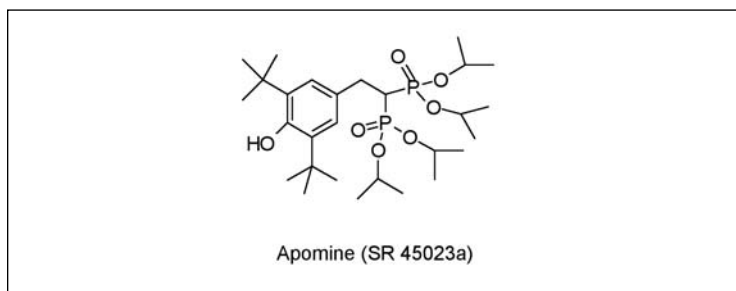
A. Clodronic Acid produced by Schering and Roche for the treatment of Osteoporosis.



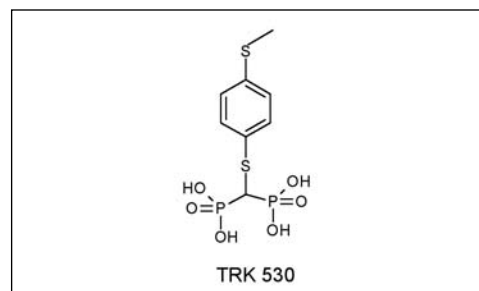
B. Tiludronic Acid, produced by Sanofi for the treatment of Padgett's Disease



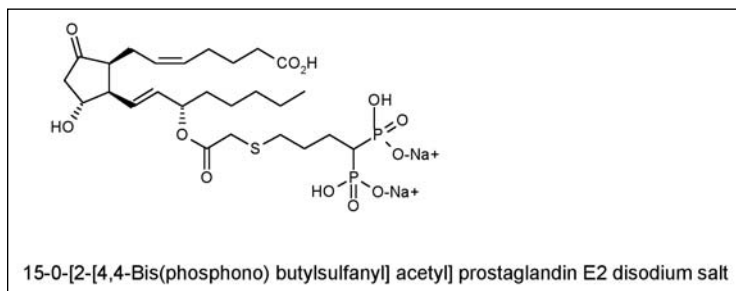
C. Symphar / Ilex Oncology's Apomine (SR 45023a) for cancer treatment.



D. Toray's TRK 530 for the treatment of Rheumatoid Arthritis



E. Merck's 15-O-[2-[4,4-Bis (phosphono) butylsulfanyl] acetyl] prostaglandin E2 disodium salt for the treatment of Osteoporosis.



Summary:

THERAPEUTIC AREA:

Osteoporosis and Cancer Treatment

FUNCTIONALITY:

Building Block

References:

- A. WO 90/15806 (1990)
- B. US 4,746,654 (1988)
- C. US 5,043,330 (1991)
- D. EP 594857B (1998)
JP 226175 (1991)
- E. Biorg. Med. Chem. 7 (1999) 901-919

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