

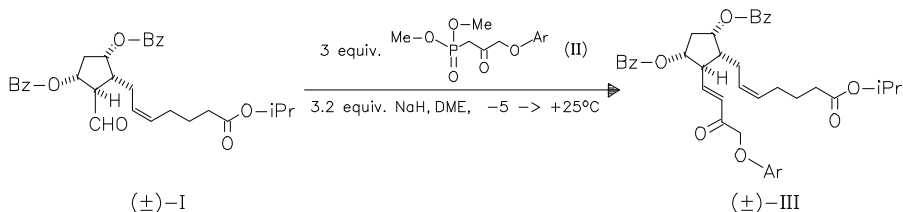
Hormones

U 1000

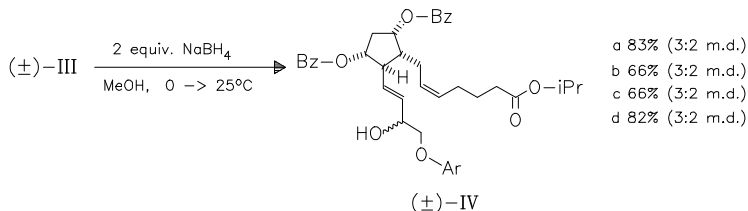
DOI: 10.1002/chin.201137200

37- 200

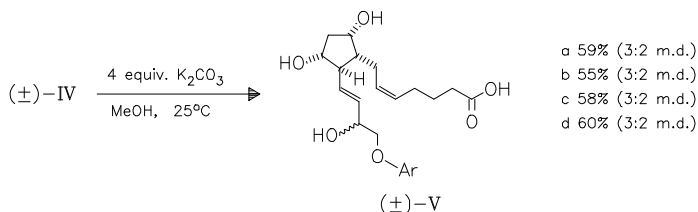
**Synthesis of (±) Travoprost and Its Analogues.** — Starting from the known intermediate (I), a new synthetic approach to the prostaglandin analogue and antiglaucoma agent travoprost (VIIB) and its derivatives is developed. Key steps include Horner—Wadsworth—Emmons reaction to (III) and separation of diastereoisomers after final transformation. — (MUDDLURU, H.; HINDUPUR\*, R. M.; DUBEY, P. K.; MADHAVARAM, S.; TATINI, L.; SUBBARAJU, G. V.; Lett. Org. Chem. 8 (2011) 4, 234-241 ; ICICI Knowledge Park, Aptuit Laurus Private Ltd., Hyderabad 500 078, India; Eng.) — H. Haber



- |           |     |
|-----------|-----|
| a Ar: -Ph | 60% |
| b Ar:     | 50% |
| c Ar:     | 45% |
| d Ar:     | 50% |



- |   |                |
|---|----------------|
| a | 83% (3:2 m.d.) |
| b | 66% (3:2 m.d.) |
| c | 66% (3:2 m.d.) |
| d | 82% (3:2 m.d.) |



- |   |                |
|---|----------------|
| a | 59% (3:2 m.d.) |
| b | 55% (3:2 m.d.) |
| c | 58% (3:2 m.d.) |
| d | 60% (3:2 m.d.) |

