Discovery of an L-like Configuration for 3’-Fluoro-5’-norcarbonucleoside Phosphonates as Potent Anti-HIV Agents

Pierre-Yves Geant, Malika Kaci, Jean-Pierre Uttaro, Christian Périgaud, and Christophe Mathé*
TBDPSO \[\text{F} \rightarrow \text{OH}\]

Compound (-)-3
TBDPSOH\[\text{F}\]

Compound (−)-3
TBDPSO\(\text{OH}\)

Compound (+)-3
Compound 4a
TBDPSO

\[ \text{Compound 4a} \]
Compound 4a
Compound 4b
Compound (−)-5
Compound (−)-5
Compound (−)-7
Compound (−)-7
Compound (-)-8
Compound (−)-8
Compound (-)-8
Compound (−)-1
Compound (-)-1
Compound (+)-1
Compound (+)-1
Compound (-)-9
Compound (-)-9
Compound (−)-9
Determination of enantiomeric excess by chiral HPLC

HPLC: Shimadzu LC20A, variable detector,
Column: chiralcel OD-H (150 x 4.6 mm x 5 μm), Mobile phase: hexane/iPrOH (98/2),
Flow rate: 1 ml/min, Temperature: 25°C, UV: 220 nm.