



>>Entry Name: 9,10-Secocholesta-5(10),6,8-triene-3,25-diol, 9Cl

CAS Registry Number: 34079-24-8

Related CAS Registry Numbers(s): 39932-44-0 67617-19-0 72639-76-0 96700-62-8 96700-63-9 96700-64-0

Molecular Formula: C₂₇H₄₄O₂

Molecular Weight: 400.643

Accurate Mass: 400.33413

Percentage Composition: C 80.94%; H 11.07%; O 7.99%

Other Data: Deuterated and tritiated compds. have been synth.

>>Variant: (3S,6Z)-form

Synonym(s): 25-Hydroxyprevitamin D₃

CAS Registry Number: 23357-18-8

Molecular Formula: C₂₇H₄₄O₂

Molecular Weight: 400.643

Accurate Mass: 400.33413

Percentage Composition: C 80.94%; H 11.07%; O 7.99%

>>Derivative: 24-Fluoro deriv.

Synonym(s): 24-Fluoro-9,10-secocholesta-5(10),6,8-triene-3,25-diol, 9Cl. 24-Fluoro-25-hydroxyprevitamin D₃

CAS Registry Number: 81482-07-7

Molecular Formula: C₂₇H₄₃FO₂

Molecular Weight: 418.634

Accurate Mass: 418.324708

Percentage Composition: C 77.47%; H 10.35%; F 4.54%; O 7.64%

>>Derivative: 24,24-Difluoro deriv.

Synonym(s): 24,24-Difluoro-9,10-secocholesta-5(10),6,8-triene-3,25-diol, 9Cl. 24,24-Difluoro-25-hydroxyprevitamin D₃

CAS Registry Number: 74670-00-1

Molecular Formula: C₂₇H₄₂F₂O₂

Molecular Weight: 436.624

Accurate Mass: 436.315286

Percentage Composition: C 74.27%; H 9.70%; F 8.70%; O 7.33%

References:

Campbell, J.A. *et al.*, *Steroids*, 1969, **13**, 567, (*synth*)

U.S. Pat., 1972, 3 702 810; *CA*, **78**, 72458, (*synth*)

Yamada, S. *et al.*, *Tet. Lett.*, 1979, 1859, (*synth*)

U.S. Pat., 1980, 4 196 133; *CA*, **93**, 114841, (*synth, deriv*)

U.S. Pat., 1981, 4 305 880; *CA*, **96**, 163054, (*synth*)

Vanmaele, L. *et al.*, *Tetrahedron*, 1985, **41**, 141, (*synth*)