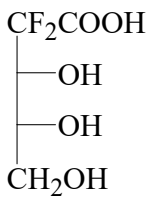
>>**Entry Name: 2-Deoxy-2,2-difluoro-*erythro*-pentonic acid**
Synonym(s): 2,2-Difluoro-3,4,5-trihydroxypentanoic acid



Related CAS Registry Numbers(s): 122111-02-8

Molecular Formula: $C_5H_8F_2O_5$
Molecular Weight: 186.112
Accurate Mass: 186.033981
Percentage Composition: C 32.27%; H 4.33%; F 20.42%; O 42.98%

>>**Variant:** D-form

Molecular Formula: $C_5H_8F_2O_5$
Molecular Weight: 186.112
Accurate Mass: 186.033981
Percentage Composition: C 32.27%; H 4.33%; F 20.42%; O 42.98%

>>**Derivative:** 1,4-Lactone, dibenzoyl
Synonym(s): 3,5-Di-*O*-benzoyl-2-deoxy-2,2-difluoro-D-*erythro*-1,4-pentonolactone

CAS Registry Number: 122111-01-7

Molecular Formula: $C_{19}H_{14}F_2O_6$
Molecular Weight: 376.313
Accurate Mass: 376.075846
Percentage Composition: C 60.64%; H 3.75%; F 10.10%; O 25.51%
Physical Description: Cryst. (CH_2Cl_2/heptane)
Melting Point: Mp 119-120°
Optical Rotation: $[\alpha]_D^{25}$+62 (c, 1 in EtOAc)
Aldrich: 42256-8

References:

Chou, T.S. *et al.*, *Synthesis*, 1992, **6**, 565, *(1,4-lactone dibenzoyl, synth, pmr, cmr, ir, uv)*