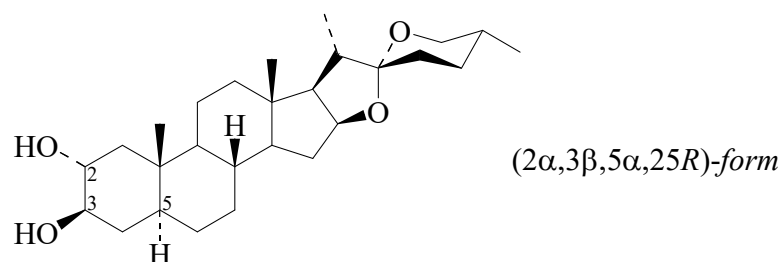




>>Entry Name: Spirostane-2,3-diol



Related CAS Registry Numbers(s): 469-98-7 23599-51-1 61046-17-1 61046-18-2

Molecular Formula: C₂₇H₄₄O₄

Molecular Weight: 432.642

Accurate Mass: 432.32396

Percentage Composition: C 74.96%; H 10.25%; O 14.79%

>>Variant: (2 α ,3 β ,5 α ,25 R)-form

Synonym(s): Gitogenin. Dicine

CAS Registry Number: 511-96-6

Molecular Formula: C₂₇H₄₄O₄

Molecular Weight: 432.642

Accurate Mass: 432.32396

Percentage Composition: C 74.96%; H 10.25%; O 14.79%

Biological Source: Constit. of *Digitalis* spp., *Isoplexis canariensis*, *Yucca gloriosa*, *Tribulus terrestris* and numerous other plants

Biological Use/Importance: Antiinflammatory agent

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 271-272°

Optical Rotation: $[\alpha]_D^{25} -75$ (CHCl₃)

Calculated Log P Data: Log P 5.07 (uncertain value) (calc)

Rare Chemicals Library: S40466-7

>>Derivative: 3-*O*- β -D-Galactopyranoside

Synonym(s): Gitogenin 3-galactopyranoside

CAS Registry Number: 60117-36-4

Molecular Formula: C₃₃H₅₄O₉

Molecular Weight: 594.784

Accurate Mass: 594.376785

Percentage Composition: C 66.64%; H 9.15%; O 24.21%

Biological Source: Constit. of *Hosta sieboldii*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{25} -120$ (c, 0.1 in CHCl₃/MeOH)

>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)]- β -D-galactopyranoside]

Molecular Formula: C₃₉H₆₄O₁₃

Molecular Weight: 740.927

Accurate Mass: 740.434695

Percentage Composition: C 63.22%; H 8.71%; O 28.07%

Biological Source: Constit. of *Hosta longipes*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{25} -70$ (c, 0.1 in CHCl₃/MeOH)

>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)]-[β -D-glucopyranosyl-(1 $\rightarrow$ 4)]- β -D-galactopyranoside]

Molecular Formula: C₄₅H₇₄O₁₈

Molecular Weight: 903.069

Accurate Mass: 902.48752

Percentage Composition: C 59.85%; H 8.26%; O 31.89%

Biological Source: Constit. of *Hosta longipes*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{25} -112$ (c, 0.1 in CHCl₃/MeOH)