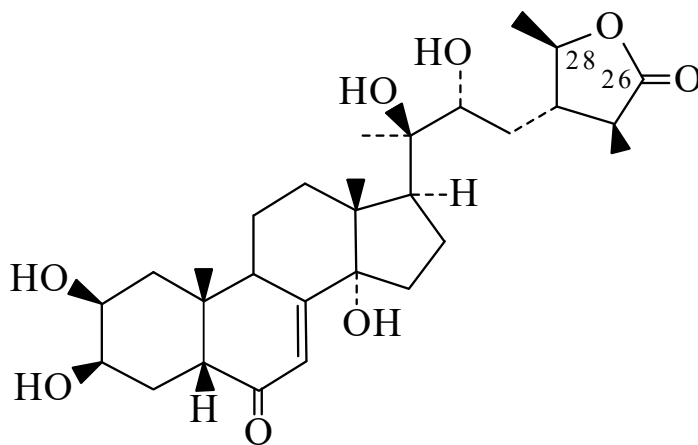




>>Entry Name: Cyasterone

Synonym(s): 2,3,14,20,22,28-Hexahydroxy-6-oxostigmast-7-en-26-oic acid γ -lactone, 9Cl. 2,3,14,20,22-Pentahydro-6-oxostigmast-7-en-26,28-olide



CAS Registry Number: 17086-76-9

Molecular Formula: $C_{29}H_{44}O_8$

Molecular Weight: 520.662

Accurate Mass: 520.30362

Percentage Composition: C 66.90%; H 8.52%; O 24.58%

Biological Source: Isol. from *Cyathula capitata* and *Ajuga* spp.

Use/Importance: Antihyperglycaemic, antihyperlipidaemic agent. Insect moulting hormone

Physical Description: Cryst. + $\frac{1}{2}$ H_2O (MeOH)

Melting Point: Mp 164-166°

Optical Rotation: $[\alpha]_D +64.5$ (c, 8.6 in Py)

Calculated Log P Data: Log P -2.16 (uncertain value) (calc)

>>Derivative: 3-Ac

Synonym(s): 3-Acetylcysterone

CAS Registry Number: 164220-24-0

Molecular Formula: $C_{31}H_{46}O_9$

Molecular Weight: 562.699

Accurate Mass: 562.314185

Percentage Composition: C 66.17%; H 8.24%; O 25.59%

Biological Source: Constit. of *Ajuga reptans* var. *atropurpurea*

>>Derivative: 22-Ac

Synonym(s): 22-Acetylcysterone

CAS Registry Number: 67883-31-2

Molecular Formula: $C_{31}H_{46}O_9$

Molecular Weight: 562.699

Accurate Mass: 562.314185

Percentage Composition: C 66.17%; H 8.24%; O 25.59%

Biological Source: Constit. of *Ajuga turkestanica*

Physical Description: Cryst. (EtOH)

>>Derivative: 5-Epimer

Synonym(s): 5-Epicyasterone

CAS Registry Number: 31581-82-5

Molecular Formula: $C_{29}H_{44}O_8$

Molecular Weight: 520.662

Accurate Mass: 520.30362

Percentage Composition: C 66.90%; H 8.52%; O 24.58%

Biological Source: Isol. from *Cyathula capitata*

Use/Importance: Insect moulting hormone

Physical Description: Cryst.

Melting Point: Mp 274-275°