



Biological Source: Constit. of *Arum italicum*

>>**Variant:** (3 β ,7 β ,24 S)-form

Synonym(s): Poriferast-5-ene-3 β ,7 β -diol

CAS Registry Number: 145163-98-0

Molecular Formula: C₂₉H₅₀O₂

Molecular Weight: 430.713

Accurate Mass: 430.38108

Percentage Composition: C 80.87%; H 11.70%; O 7.43%

Biological Source: Isol. from *Gracilaria edulis* and *Cliona copiosa*

Melting Point: Mp 157-158°

Optical Rotation: [α]_D²⁵ -29.5 (c, 0.217 in CHCl₃)

>>**Derivative:** 7-Ketone

Synonym(s): 3-Hydroxyporiferast-5-en-7-one

CAS Registry Number: 145163-97-9

Molecular Formula: C₂₉H₄₈O₂

Molecular Weight: 428.697

Accurate Mass: 428.36543

Percentage Composition: C 81.25%; H 11.29%; O 7.46%

Biological Source: Constit. of *Cliona copiosa* and *Gracilaria edulis*

Physical Description: Cryst.

Melting Point: Mp 140-141°

Optical Rotation: [α]_D²⁵ -105.6 (c, 0.23 in CHCl₃)

>>**Variant:** (3 β ,7 β ,24 ξ)-form

Molecular Formula: C₂₉H₅₀O₂

Molecular Weight: 430.713

Accurate Mass: 430.38108

Percentage Composition: C 80.87%; H 11.70%; O 7.43%

>>**Derivative:** 3-*O*-(4-Hydroxy-3-methoxybenzoyl)

Synonym(s): 3-Vanilloyloxystigmast-5-en-7-ol

CAS Registry Number: 191352-05-3

Molecular Formula: C₃₇H₅₆O₅

Molecular Weight: 580.846

Accurate Mass: 580.412775

Percentage Composition: C 76.51%; H 9.72%; O 13.77%

Biological Source: Constit. of *Adenophora stenanthina* ssp. *xifengensis*

Physical Description: Cryst. (petrol/Me₂CO)

Melting Point: Mp 187-190°

Optical Rotation: [α]_D²⁰ -340 (c, 1 in CHCl₃)

Other Data: Stereochem. at C-24 not clear in ref.

>>**Derivative:** 7-Ketone

Synonym(s): Sepesteonol

CAS Registry Number: 88548-08-7

Molecular Formula: C₂₉H₄₈O₂

Molecular Weight: 428.697

Accurate Mass: 428.36543

Percentage Composition: C 81.25%; H 11.29%; O 7.46%

Biological Source: Isol. from *Flacourtia seperia*

Melting Point: Mp 132-133°

Optical Rotation: [α]_D -98

References: