CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Aescin B

Cat. No.: X23-04-XQ381

Size: 10 mg; 20 mg; 50 mg; 100 mg

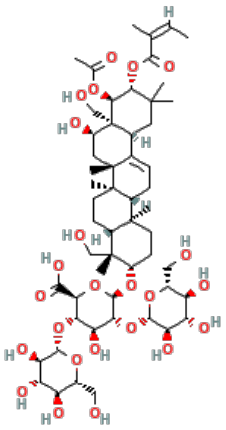
MDL: MFCD10566622

CAS Number: 26339-90-2

Compound CID: 6476031

Synonym: 26339-90-2; Aescin; EscinI B; beta-Escin; Flogencyl; Aescin IB; Aescin B

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Aescin B is a triterpene saponin that has diverse biological activities.
Molecular Weight	1131.26
Molecular Formula	$C_{55}H_{86}O_{24}$
IUPAC Name	(2*S*,3*S*,4*S*,5*R*,6*R*)-6-[[(3*S*,4*S*,4a*R*,6a*R*,6b*S*,8*R*,8a*R*,9*R*,10*R*,12a*S*,14a*R*,14b*R*)-9-Acetyloxy-8-hydroxy-4,8a-*bis*(hydroxymethyl)-4,6a,6b,11,11,14b-hexamethyl-10-[(*Z*)-2-methylbut-2-enoyl]oxy-1,2,3,4a,5,6,7,8,9,10,12,12a,14,14a-tetradecahydropicen-3-yl]oxy]-4-hydroxy-3,5-*bis*[[(2*S*,3*R*,4*S*,5*S*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]oxane-2-carboxylic acid
InChI	InChI=1S/C55H86O24/c1-10-23(2)46(71)79-43-44(72-24(3)60)55(22-59)26(17-50(43,4)5)25-11-12-30-51(6)15-14-32(52(7,21-58)29(51)13-16-53(30,8)54(25,9)18-31(55)61)75-49-41(77-48-38(67)36(65)34(63)28(20-57)74-48)39(68)40(42(78-49)45(69)70)76-47-37(66)35(64)33(62)27(19-56)73-47/h10-11,26-44,47-49,56-59,61-68H,12-22H2,1-9H3,(H,69,70)/b23-10-/t26-,27+,28+,29+,30+,31+,32-,33+,34+,35-,36-,37+,38+,39-,40-,41+,42-,43-,44-,47-,48-,49+,51-,52+,53+,54+,55-/m0/s1
InChI Key	AXNVHPCVMSNXNP-OXPBSUTMSA-N
Canonical SMILES	CC=C(C)C(=O)OC1C(C2(C(CC1(C)C)C3=CCC4C5(CCC(C(C5CCC4(C3(CC2O)C)C)(C)CO)OC6C(C(C(C(O_6)C(=O)O)OC7C(C(C(C(O_7)CO)O)O)O)O)OC8C(C(C(C(O_8)CO)O)O)O)C)CO)OC(=O)C
Isomeric SMILES	C/C=C(/C)\C(=O)O[C@H]1[C@@H]([C@@]2([C@@H](C[C@@]3(C(=CC[C@H]4[C@]3(CC[C@@H]5[C@@]4(CC[C@@H]([C@]5(C)CO)O[C@H]6[C@@H]([C@H]([C@@H]([C@H](O_6)C(=O)O)O[C@H]7[C@@H]([C@H]([C@@H]([C@H](O_7

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	)CO)O)O)O)O)O[C@H]8[C@@H]([C@H]([C@@H]([C@H](O_8)CO)O)O)O)C)C)[C@@H]2CC1(C)C)C)O)CO)OC(=O)C
Form	Powder
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Aescin B can be used for content determination, identification, and pharmacological experiments, *etc*.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask

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