

Product Information

Aescin C

Cat. No.: X23-04-XQ321

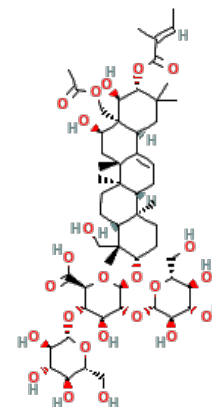
Size: 10 mg; 20 mg; 50 mg; 100 mg

CAS Number: 219944-39-5

Compound CID: 6476032

Synonym: 219944-39-5; Isoescsin Ia; Aescin C; Escsin iva

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



Product Information

Description	Aescin C is a triterpene saponin that has diverse biological activities.
Molecular Weight	1131.26
Molecular Formula	C ₅₅ H ₈₆ O ₂₄
IUPAC Name	(2S,3S,4S,5R,6R)-6-[[[(3S,4S,4aR,6aR,6bS,8R,8aR,9R,10R,12aS,14aR,14bR)-8a-(A)cetyloxymethyl]-8,9-dihydroxy-4-(hydroxymethyl)-4,6a,6b,11,11,14b-hexamethyl-10-[(E)-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[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]oxane-2-carboxylic acid
InChI	InChI=1S/C55H86O24/c1-10-23(2)46(71)79-44-43(68)55(22-72-24(3)59)26(17-50(44,4)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)60)75-49-41(77-48-38(66)36(6)4)34(62)28(20-57)74-48)39(67)40(42(78-49)45(69)70)76-47-37(65)35(63)33(61)27(19-56)73-47/h10-11,26-44,47-49,56-58,60-68H,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	YOSIWGSGGLDDTHJ-IVKVKCDBSA-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(O6)C(=O)O)OC7C(C(C(C(O7)CO)O)O)O)OC8C(C(C(C(O8)CO)O)O)O)C)COC(=O)C)O
Isomeric SMILES	C/C=C(\C)/C(=O)O[C@H]1[C@@H]([C@@]2([C@@H]([C@@]3(C(=CC[C@H]4[C@]3(CC[C@@H]5[C@@]4)5[C@@]4)CC[C@@H]([C@]5(C)CO)O[C@H]6[C@@H]([C@H]([C@@H]([C@H](O6



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 C can be used for content determination, identification, and pharmacological experiments, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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