CD BioGlyco

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

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Product Information

Macranthoidin B

Cat. No.: X23-04-XQ147

Size: 20 mg; 50 mg; 100 mg; 200 mg

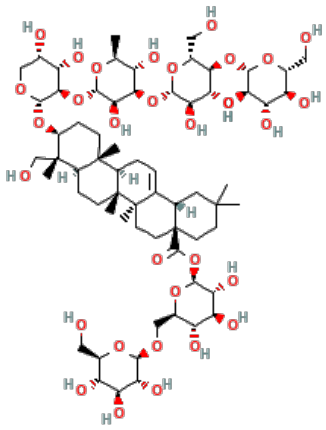
MDL: MFCD20487834

CAS Number: 136849-88-2

Compound CID: 71307567

Synonym: 136849-88-2; Macranthoidin B

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



Product Information

Description	Macranthoidin B is a natural triterpenoid saponin – six sugar units linked to triterpenoid.
Molecular Weight	1399.53
Molecular Formula	$C_{65}H_{106}O_{32}$
IUPAC Name	[(2*S*,3*R*,4*S*,5*S*,6*R*)-3,4,5-Trihydroxy-6-[[(2*S*,3*R*,4*S*,5*S*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxymethyl]oxan-2-yl] (4a*S*,6a*R*,6a*S*,6b*R*,8a*R*,9*R*,10*S*,12a*R*,14b*S*)-10-[(2*S*,3*R*,4*S*,5*S*)-3-[(2*S*,3*R*,4*R*,5*S*,6*S*)-4-[(2*S*,3*R*,4*R*,5*S*,6*R*)-3,4-dihydroxy-6-(hydroxymethyl)-5-[(2*S*,3*R*,4*S*,5*S*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyoxan-2-yl]oxy-3,5-dihydroxy-6-methyloxan-2-yl]oxy-4,5-dihydroxyoxan-2-yl]oxy-9-(hydroxymethyl)-2,2,6a,6b,9,12a-hexamethyl-1,3,4,5,6,6a,7,8,8a,10,11,12,13,14b-tetradecahydropicene-4a-carboxylate
InChI	InChI=1S/C65H106O32/c1-25-36(71)51(95-55-48(83)44(79)50(31(21-68)91-55)94-54-46(81)42(77)39(74)30(20-67)90-54)49(84)57(88-25)96-52-37(72)28(70)22-86-58(52)93-35-11-12-61(4)33(62(35,5)24-69)10-13-64(7)34(61)9-8-26-27-18-60(2,3)14-16-65(27,17-15-63(26,64)6)59(85)97-56-47(82)43(78)40(75)32(92-56)23-87-53-45(80)41(76)38(73)29(19-66)89-53/h8,25,27-58,66-84H,9-24H2,1-7H3/t25-,27-,28-,29+,30+,31+,32+,33+,34+,35-,36-,37-,38+,39+,40+,41-,42-,43-,44+,45+,46+,47+,48+,49+,50+,51+,52+,53+,54-,55-,56-,57-,58-,61-,62-,63+,64+,65-/m0/s1
InChI Key	RKINZCVTEPSBCI-ZBXZRPIVSA-N
Canonical SMILES	CC1C(C(C(C(O1)OC2C(C(COC2OC3CCC4(C(C3(C)CO)CCC5(C4CC=C6C5(CCC7(C6CC(CC7)(C)C)C(=O)OC8C(C(C(C(O$_8$)COC9C(C(C(C(O$_9$)CO)O)O)O)O)O)O)C)C)C)O)O)O)OC1C(C(C(C(O1)CO)OC1C(C(C(C(O1)CO)O)O)O)O)O)O
Isomeric SMILES	C[C@H]1[C@@H]([C@H]([C@H]([C@@H](O1)O[C@@H]2[C@H]([C@H](CO[C@H]2O[C@H]3CC[C@]4([C@H]([C@]3(C)CO)CC[C@@]5([C@@H]4CC=C6[C@]5(CC[C@@]7([C@H]6CC(CC7)(C)C)C(=O)O[C@H]8[C@@H]([C@H]([C@@H]

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	([C@H](O$_8$)CO[C@H]9[C@@H]([C@H]([C@@H]([C@H](O$_9$)CO)O)O)O)O)O)C)C)C)O)O)O)O[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CO)O[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CO)O)O)O)O)O)O
Source	Dried buds or incipient flowers of *Lonicera macranthoides Hand.-Mazz., Lonicera hypoglauca Miq.* and *Lonicera confusa DC*
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	Macranthoidin B can be used for the research of enhancing the activity of reactive oxygen species experiments, *etc*.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask

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