

Product Information

Prosaikogenin D

Cat. No.: X22-05-ZQ629

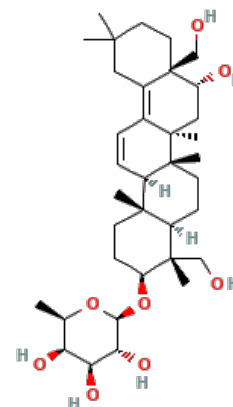
Size: 20 mg; 50 mg; 100 mg

CAS Number: 103629-72-7

Compound CID: 101596922

Synonym: 103629-72-7; Prosapogenin D; Prosaikogenin D;

(2*R*,3*R*,4*S*,5*R*,6*R*)-2-[[[(3*S*,4*R*,4*aR*,6*aR*,6*bS*,8*R*,8*aS*,14*aR*,14*bS*)-8-Hydroxy-4,8a-bis(hydroxymethyl)-4,6a,6b,11,11,14b-hexamethyl-1,2,3,4a,5,6,7,8,9,10,12,14a-dodecahydropicen-3-yl]oxy]-6-methyloxane-3,4,5-triol



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

Product Information

Description	Prosaikogenin D has been shown to have significant cytotoxicity against cancer cells and has anti-cancer properties. Prosaikogenin D has been shown to inhibit prostate cancer cells <i>in vitro</i> by decreasing the expression of prostate-specific antigen and inhibiting cell proliferation. This product can be used for research in the fields of medicine and pharmacy.
Molecular Weight	618.84
Molecular Formula	C ₃₆ H ₅₈ O ₈
IUPAC Name	(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-2-[[[(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i> ,6 <i>aR</i> ,6 <i>bS</i> ,8 <i>R</i> ,8 <i>aS</i> ,14 <i>aR</i> ,14 <i>bS</i>)-8-Hydroxy-4,8a-bis(hydroxymethyl)-4,6a,6b,11,11,14b-hexamethyl-1,2,3,4a,5,6,7,8,9,10,12,14a-dodecahydropicen-3-yl]oxy]-6-methyloxane-3,4,5-triol
InChI	InChI=1S/C36H58O8/c1-20-27(40)28(41)29(42)30(43-20)44-26-11-12-32(4)23(33(26,5)18-37)10-13-34(6)24(32)9-8-21-22-16-31(2,3)14-15-36(22,19-38)25(39)17-35(21,34)7/h8-9,20,23-30,37-42H,10-19H2,1-7H3/t20-,23-,24-,25-,26+,27+,28+,29-,30+,32+,33+,34-,35-,36-/m1/s1
InChI Key	UAUUFADFXKYAU-WQPKRVEVSA-N
Canonical SMILES	CC1C(C(C(C(O1)OC2CCC3(C(C2(C)CO)CCC4(C3C=CC5=C6CC(CCC6(C(CC54C)O)CO)(C)C)C)C)O)O)O
Isomeric SMILES	C[C@@H]1[C@@H]([C@@H]([C@H]([C@@H](O1)O[C@H]2CC[C@]3([C@H]([C@]2(C)CO)CC[C@@]4([C@@H]3C=CC5=C6CC(CC[C@@]6([C@H]([C@]54C)O)CO)(C)C)C)O)O)O
Form	Powder
Purity	≥98%, determined by HPLC.
Identity	Confirmed by MS and NMR.



Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Prosaikogenin D can be used for research in the fields of medicine and pharmacy.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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