

Product Information

Physalin L

Cat. No.: X22-05-ZQ361

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

MDL: MFCD11111455

CAS Number: 113146-74-0

Compound CID: 92043344

Synonym: 113146-74-0; Jujuboside D; Jujuboside A1;

(2S,3S,4R,5S,6S)-2-[(2S,3R,4S,5S)-4-[(2S,3R,4S,5S,6R

)-4,5-Dihydroxy-6-[(2R,3R,4S,5S,6R

)-3,4,5-trihydroxy-6-(hy

droxymethyl)oxan-2-yl]oxymethyl]-3-[(2S,3R,4S,5R

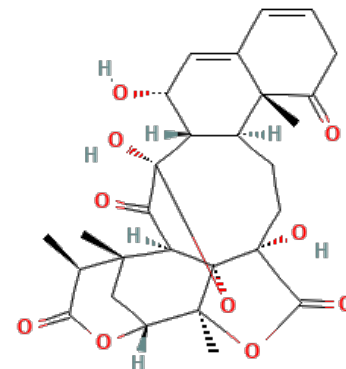
)-3,4,5-trihydroxyoxan-2-

yl]oxyoxan-2-yl]oxy-5-Hydroxy-2-[[[(1S,2R,5R,7S,10R,11R,14R,15S,16S,18R,20R

)-16-Hydroxy-2,6,6,10,16-pentamethyl-18-(2-methylprop-1-enyl)-19,21-dioxahexacycl

o[18.2.1.01,14.02,11.05,10.015,20]tricosan-7-yl]oxy]oxan-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	Physalin L has anti-inflammatory activity. It inhibits LPS-induced NO production in macrophages. This product can be used for content determination, identification, and pharmacological experiments, etc.
Molecular Weight	528.555
Molecular Formula	C ₂₈ H ₃₂ O ₁₀
IUPAC Name	(2S,3S,4R,5S,6S)-2-[(2S,3R,4S,5S)-4-[(2S,3R,4S,5S,6R)-4,5-Dihydroxy-6-[(2R,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxymethyl]-3-[(2S,3R,4S,5R)-3,4,5-trihydroxyoxan-2-yl]oxyoxan-2-yl]oxy-5-Hydroxy-2-[[[(1S,2R,5R,7S,10R,11R,14R,15S,16S,18R,20R)-16-Hydroxy-2,6,6,10,16-pentamethyl-18-(2-methylprop-1-enyl)-19,21-dioxahexacyclo[18.2.1.01,14.02,11.05,10.015,20]tricosan-7-yl]oxy]oxan-3-yl]oxy-6-methyloxane-3,4,5-triol
InChI	InChI=1S/C58H94O26/c1-23(2)15-25-16-56(8,72)47-26-9-10-32-54(6)13-12-33(53(4,5)31(54)11-14-



55(32,7)57(26)21-58(47,84-25)76-22-57)80-51-46(83-50-43(71)38(66)34(62)24(3)77-50)44(28(61)19-74-51)81-52-45(82-49-41(69)35(63)27(60)18-73-49)40(68)37(65)30(79-52)20-75-48-42(70)39(67)36(64)29(17-59)78-48/h15,24-52,59-72H,9-14,16-22H2,1-8H3/t24-,25-,26+,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-,54-,55+,56-,57-,58+/m0/s1

InChI Key	KVKRFLVYJLIZFD-SWCBQSDFS-A-N
Canonical SMILES	<chem>CC1C(C(C(C(O)OC2C(C(COC2OC3CCC4(C5CCC6C7C(CC(OC78CC6(C5(CCC4C3(C)C)C)CO8)C=C(C)C)C)O)C)O)OC9C(C(C(C(O)COC1C(C(C(C(O)CO)O)O)O)O)OC1C(C(C(CO1)O)O)O)O)O</chem>
Isomeric SMILES	<chem>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]5CC[C@H]6[C@H]7[C@@]([C@@H](O[C@]78C[C@]6([C@@]5(CC[C@H]4C3(C)C)C)CO8)C=C(C)C)C)O)C)O)O[C@H]9[C@@H]([C@H]([C@@H]([C@H](O9)CO[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CO)O)O)O)O)O[C@H]1[C@@H]([C@H]([C@@H](CO1)O)O)O)O)O</chem>
Form	Powder
Purity	≥95%, determined by HPLC.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Physalin L 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