

Eleutheroside E

Cat. No.:	OB0225WX-2785
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, and HPLC.
Size:	1 mg; 5 mg; 25 mg; 50 mg

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

Product Overview

Description

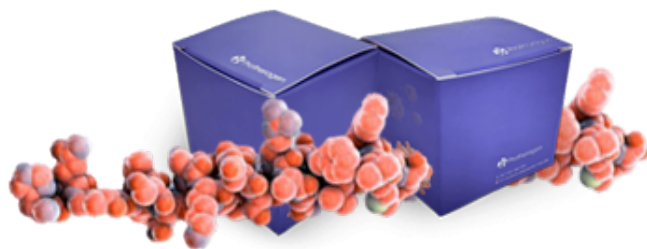
Eleutheroside E is a primary phenylpropanoid constituent of *Eleutherococcus senticosus* that exerts its effects by inhibiting NF-kappaB signaling and providing protection against myocardial stress.

Synonym

Liriodendrin; Eleutheroside D; 39432-56-9; Acanthoside D; 2-[4-[6-[3,5-dimethoxy-4-[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-3-yl]-2,6-dimethoxyphenoxy]-6-(hydroxymethyl)oxane-3,4,5-triol; 96038-87-8; Syringaresinol diglucoside; (2*S*,3*R*,4*S*,5*S*)-2-[2-[6-[2,4-dimethoxy-3,6-bis[[2*S*,3*R*,4*S*,5*S*]-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]phenyl]-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-3-yl]-3,5-dimethoxy-4-[(2*S*,3*R*,4*S*,5*S*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]-6-(hydroxymethyl)oxane-3,4,5-triol; [(3*S*)-3α,4,6,6aα-Tetrahydro-1*H*,3*H*-furo[3,4-c]furan-3α,6α-diyl]bis(2,6-dimethoxy-4,1-phenylene)bis(beta-D-glucopyranoside); Acanthoside D; Syringaresinol 4,4'-O-bis-beta-D-glucoside; Acanthoside D; Liriodendrin; (Tetrahydro-1*H*,3*H*-furo[3,4-c]furan-1,4-diyl)bis(2,6-dimethoxy-4,1-phenylene)bis[(2)-D-glucopyranoside]; [(1*R*,3*aR*,4*S*,6*aS*)-Tetrahydro-1*H*,3*H*-furo[3,4-c]furan-1,4-diyl]bis(2,6-dimethoxy-4,1-phenylene)bis-[alpha-D-glucopyranoside]; 2-{4-[4-(3,5-dimethoxy-4-{[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}phenyl)-hexahydrofuro[3,4-c]furan-1-yl]-2,6-dimethoxyphenoxy}-6-(hydroxymethyl)oxane-3,4,5-triol

CAS No.

39432-56-9



Compound CID	226371
Formula	C ₃₄ H ₄₆ O ₁₈
Formula Weight	742.72

Specification

IUPAC Name	2-[4-[6-[3,5-Dimethoxy-4-[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-3-yl]-2,6-dimethoxyphenoxy]-6-(hydroxymethyl)oxane-3,4,5-triol
InChI	InChI=1S/C34H46O18/c1-43-17-5-13(6-18(44-2)31(17)51-33-27(41)25(39)23(37)21(9-35)49-33)29-15-11-48-30(16(15)12-47-29)14-7-19(45-3)32(20(8-14)46-4)52-34-28(42)26(40)24(38)22(10-36)50-34/h5-8,15-16,21-30,33-42H,9-12H2,1-4H3
InChI Key	FFDULTAFAQRACT-UHFFFAOYSA-N
SMILES string	<chem>COC1=CC(=CC(=C1OC2C(C(C(C(O2)CO)O)O)O)OC)C3C4COC(C4CO3)C5=CC(=C(C(=C5)OC)OC6C(C(C(C(O6)CO)O)O)O)OC</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Eleutheroside E is employed in adaptogenic and metabolic research as a primary component of Eleutherococcus senticosus to study its effects on enhancing exercise capacity and improving glucose utilization in insulin-resistant models.

Library Information

Target	NF-κB
Receptor	NF-κB
Pathways	NF-κB
Plate Number	L6700-11
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	100 mg/mL; 134.64 mM
ALogP	-1.709
HBA_Count	10
HBD_Count	8
Rotatable Bond	12