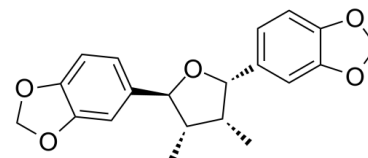


Data Sheet

Product Name:	(-)-Zuonin A
Cat. No.:	CS-0119326
CAS No.:	84709-25-1
Molecular Formula:	C ₂₀ H ₂₀ O ₅
Molecular Weight:	340.37
Target:	JNK
Pathway:	MAPK/ERK Pathway
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

(-)-Zuonin A (D-Epigalbacin), a naturally occurring lignin, is a potent, selective **JNKs** inhibitor, with **IC₅₀s** of 1.7 μM, 2.9 μM and 1.74 μM for JNK1, JNK2 and JNK3, respectively^[1]. **In Vitro:** (-)-zuonin A binds the D-recruitment site (DRS) of JNK, a recruitment site utilized by substrates and other substrates to dock onto and recognize MAPKs^[1].

(-)-zuonin A inhibits the activation and phosphorylation of JNK by MKK4 and MKK7^[1].

References:

[1]. Tamer S. Kaoud, et al. Manipulating JNK Signaling with (-)-zuonin A. ACS Chem Biol. 2012 Nov 16; 7(11): 1873–1883.

CAIndexNames:

1,3-Benzodioxole, 5,5'-[(2S,3R,4S,5S)-tetrahydro-3,4-dimethyl-2,5-furandiyl]bis-

SMILES:

C[C@H]1[C@@H](C)[C@@H](C2=CC=C(OCO3)C3=C2)O[C@@H]1C4=CC=C(OCO5)C5=C4

Caution: Product has not been fully validated for medical applications. For research use only.

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