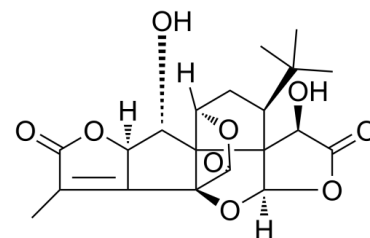


Data Sheet

Product Name:	Ginkgolide K
Cat. No.:	CS-0032323
CAS No.:	153355-70-5
Molecular Formula:	C ₂₀ H ₂₂ O ₉
Molecular Weight:	406.38
Target:	Autophagy
Pathway:	Autophagy
Solubility:	DMSO : 50 mg/mL (123.04 mM; ultrasonic and warming and heat to 80°C)



BIOLOGICAL ACTIVITY:

Ginkgolide K, isolated from *Ginkgo biloba*, induces protective autophagy through the AMPK/mTOR/ULK1 signaling pathway. Ginkgolide K possesses neuroprotective activity^[1].

References:

[1]. Zhang Y, et al. Ginkgolide K promotes astrocyte proliferation and migration after oxygen-glucose deprivation via inducing protective autophagy through the AMPK/mTOR/ULK1 signaling pathway. Eur J Pharmacol. 2018 Aug 5;832:96-103.

CAIndexNames:

9H-1,7a-(Epoxyethano)-1H,6aH-cyclopenta[c]furo[2,3-b]furo[3',2':3,4]cyclopenta[1,2-d]furan-5,9,12(4H)-trione, 3-(1,1-dimethylethyl)-2,3,10a,11-tetrahydro-4,11-dihydroxy-8-methyl-, (1R,3S,3aS,4R,6aR,7aS,10aR,11R,11aR)-

SMILES:

O[C@@H]([C@]1([H])O2)C34C5([C@H]6O)[C@](OC6=O)([H])O[C@@]3(C(O[C@]4([H])C[C@H]5C(C)(C)C=O)C1=C(C)C2=O

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

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