

Lignin

#Cat: NB-64-03183-500mg Size: 500 mg

Chemical Properties:

CAS No: 9005-53-2

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Lignin

Biological Description:

Description	Lignin (Lignine), the primary component of plant cell walls, is a renewable aromatic polymer with strong antioxidant activity. This natural complex biopolymer is both biodegradable and biocompatible
Targets (IC50)	Others
In vitro	Structurally, lignin is a complex, naturally occurring phenolic polymer found in the cell walls of vascular plants, formed through the free-radical coupling of three hydroxypropanoids: coumarinol, coniferol, and glucosinolate. It serves as a potential natural antioxidant[1].

Solubility Information

Solubility	DMSO: 50 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Zhang T, et al. Short time hydrothermal treatment of poplar wood for production of lignin-derived polyphenol antioxidant. ChemSusChem. 2020 Mar 23.

Falsini S, et al. A new method for the direct tracking of in vivo lignin nanocapsules in Eragrostis tef (Poaceae) tissues. Eur J Histochem. 2020 Mar 26;64(2).

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