

Epoxidized soya bean oil

Cat. No.:	HY-W093282		
CAS No.:	8013-07-8		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Soybean Oil Epoxide

BIOLOGICAL ACTIVITY

Description

Epoxidized soya bean oil (ESBO) is a vegetable oil-derived organic compound used as a plasticizer and stabilizer in various applications. It is produced by epoxidation of soybean oil, which introduces epoxy groups into the fatty acid chains of the oil. ESBO is a viscous, pale yellow liquid that is soluble in many organic solvents, such as chloroform and ethanol, but insoluble in water. It is commonly used as a plasticizer in polyvinyl chloride (PVC) products, including toys, food packaging materials and medical devices. In addition to its plasticizing properties, ESBO acts as an antioxidant and UV stabilizer, helping to prevent degradation and discoloration of PVC products over time. ESBOs have been investigated for their potential use in biodegradable plastics and as bio-based alternatives to traditional petroleum-derived plasticizers.

In Vitro

Epoxidized soya bean oil is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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