

Product Information

COOH reagent, Dextran-COOH, Purity $\geq 95\%$

Cat. No.: X25-02-ZQ076

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g; 25 g

Synonym: COOH-dextran; Dextran-COOH

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

Product Information

Description	This product is carboxylated dextran with high purity ($\geq 95\%$), suitable for use in bioconjugation, hydrogel formation, and surface modification in biomaterials research, allowing for covalent attachment to amine-containing molecules <i>via</i> carbodiimide chemistry.
Glycan Name	Dextran
Source	Chemical synthesis
Functional Group	COOH
Form	Solid or powder
Purity	$\geq 95\%$
Solubility	Dextran-COOH is soluble in a wide range of organic solvents, such as DCM, DMF, and DMSO, and shows excellent solubility in water.
Identity	Confirmed by NMR.
Stability	The product is stable for 1 year when stored at the recommended temperature in powder.
Quality Level	Research grade
Applications	Carboxylated dextran finds application in biomaterials research for layer-by-layer assembly with polycations or for covalent immobilization onto amine-functionalized surfaces <i>via</i> carbodiimide chemistry to develop tailored biocompatible coatings.
Storage	Store at -20°C , protect from light.