



## Product Information

### SH reagent, Dextran-SH, MW 40 kDa, Purity $\geq 95\%$

**Cat. No.:** X25-02-ZQ025

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

**Synonym:** SH-dextran; Dextran-SH

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

#### Product Information

<b>Description</b>	With a molecular weight of 40 kDa and high purity ( $\geq 95\%$ ), this thiolated dextran is used in studies involving macromolecular cross-linking, stabilization of nanoparticles, and creation of biocompatible scaffolds.
<b>Molecular Weight</b>	MW 40 kDa
<b>Glycan Name</b>	Dextran
<b>Source</b>	Chemical synthesis
<b>Functional Group</b>	SH
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq 95\%$
<b>Solubility</b>	Dextran-SH is soluble in a wide range of organic solvents, such as DCM, DMF, and DMSO, and shows excellent solubility in water.
<b>Identity</b>	Confirmed by NMR.
<b>Stability</b>	The product is stable for 1 year when stored at the recommended temperature in powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	This 40 kDa thiolated dextran is applied in drug delivery research (non-clinical) to synthesize stimuli-responsive systems, examining release kinetics from disulfide-crosslinked dextran matrices.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , protect from light.