

## Product Information

### Dopamine agent, Xanthan-dopamine, Purity $\geq 95\%$

**Cat. No.:** X25-05-YM2534

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

**Synonym:** Dopamine-xanthan; Xanthan-dopamine

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

#### Product Information

<b>Description</b>	Dopamine-modified xanthan, xanthan-dopamine or dopamine-xanthan, introduces catechol functional groups (dopamine) for adhesion and redox activity within the xanthan structure.
<b>Glycan Name</b>	Xanthan
<b>Source</b>	Chemical synthesis
<b>Functional Group</b>	Dopamine
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq 95\%$
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Solubility</b>	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
<b>Identity</b>	Confirmed by NMR.
<b>Stability</b>	It is stable under its storage temperature.
<b>Quality Level</b>	Research level
<b>Applications</b>	Xanthan-dopamine enables catechol group polymerization to create adhesive coatings in underwater biomaterial science.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , protect from light and moisture.