



Product Information

Diphenylcyclooctyne agent, Hyaluronate-PEG-DBCO, Purity $\geq 95\%$

Cat. No.: X25-04-YM1394

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

Synonym: Diphenylcyclooctyne-PEG-hyaluronate

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

Product Information

Description	DBCO-conjugated hyaluronate-PEG systems incorporate dibenzocyclooctyne moieties <i>via</i> PEG spacers, supporting copper-free click reactions in bioimaging applications.
Glycan Structure	The glycan structure of hyaluronate (hyaluronic acid, HA) is a linear, non-sulfated glycosaminoglycan composed of repeating disaccharide units.
Source	Chemical synthesis
Form	Solid or powder
Purity	$\geq 95\%$
Impurities	No visible impurities to the naked eye.
Solubility	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
Identity	Confirmed by NMR.
Stability	It is stable under its storage temperature.
Quality Level	Research level
Applications	Hyaluronate-PEG-DBCO plays a key role in enabling photothermal modulation of material stiffness in mechanobiology research.
Storage	Store at -20°C , protect from light and moisture.