

Product Datasheet

DBCO-PEG4-FLAG (orb532287)

Catalog Number	orb532287
Category	Tools
Description	<p>DBCO-PEG4-FLAG enables the FLAG-tag (DYKDDDDK) attachment to any Azide-functionalized molecule via Cu(I)-free strain-promoted Alkyne-Azide Click Chemistry (SPAAC). The resulting FLAG-tagged molecules can subsequently be detected by an anti-FLAG antibody that is either immobilized onto a matrix (for purification) or coupled with a fluorescent dye or reporter enzyme for direct or indirect detection, respectively. Molecule solubility and efficient FLAG-tag detection is ensured by the integrated PEG-linker. DBCO-FLAG (without PEG-linker) has been successfully used for the detection of cell-surface Azides (final concentration: 100 M) or labeling of Azide-functionalized micelles (amount: 100 nmol). These concentrations may serve as a starting point for individual assay set-up.</p>
Form/Appearance	solid; Color: white to off-white
Purity	95% (HPLC)
MW	Theoretical MW: 1790.85 g/mol; Detected MW: 1789.70 g/mol
Application notes	Spectroscopic Propertie: max 308 nm, 13.8.0 L mmol-1cm-1.
Solubility (25°C)	water, PBS (up to 30 mM tested)
Formula	$C_{80}H_{107}N_{15}O_{30}S$
Storage	store at -20 C
Note	For research use only
Expiration Date	12 months from date of receipt.

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