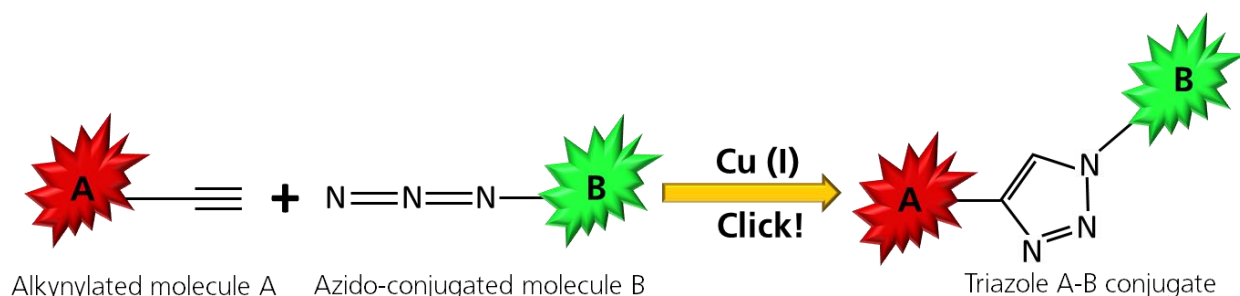


# Carbohydrate Labeling: Click!

The protein glycosylation is driving a series of biological processes and has a crucial role in infection, immune processes, cancer and others. Metabolic labelling of carbohydrates is a useful tool to study the role of specific carbohydrate structures within cells.

The endogenous synthesis and modification machinery of living cells allows to incorporate the detection or affinity tags into biomolecules. Typically, this is achieved by feeding cells chemically modified carbohydrates bearing either an alkyne or azide moiety. The latter functionalities are relatively small biorthogonal handles and are well tolerated by the living cell machinery, which incorporates modified building blocks into biomolecules. In a second step, a specific marker is conjugated to the biomolecule via **click reaction**, which occurs in the presence of Cu (I) catalyst and forms a covalent triazole linkage, resistant to intracellular enzymes.



Category	Code	Product	Application	Quantity	Price (\$)
Alkynyl-functionalised compounds					
	MA45977	5-Alkynyl-Fuc	Fucose labeling	1 mg	210.00
	MT59558	Ac4-5-Alkynyl-Fuc	Fucose labeling	1 mg	175.00
Azido-functionalised compounds					
	MA30911	GlcNAz	GlcNAc labeling	2 mg	62.00
	MA46003	Ac4GlcNAz	GlcNAc labeling	10 mg	150.00
	MA30909	GalNAz	GalNAc labeling	2 mg	80.00
	MA46005	Ac4GalNAz	GalNAc labeling	5 mg	75.00
	NU30954	UDP-GalNAz	GalNAc labeling	0.5 mg	175.00
	MA46004	Ac4ManNAz	ManNAc labeling	5 mg	55.00
	MU11565	UDP-6-N3-Gal	Terminal Gal labeling	1 mg	500.00
	MA30919	9-azido NeuAc	Sialic acid labeling	2 mg	70.00
	FC72896	6-FAM azide	Fluorescent dye; Ex495/Em517 nm	0.5 mg	60.00
	FA31762	3-Azido-7-hydroxycoumarin	Fluorescent dye; Ex404/Em477 nm	50 mg	125.00
	FB162258	Biotin-PEG4-azide	Biotin-PEG4 probe	10 mg	50.00