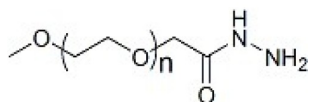


mPEG-Hydrazide

Catalogue No.: abx085015



Polyethylene glycol (PEG) compounds contain a polyether unit, commonly expressed as $R_1-(O-CH_2-CH_2)_n-O-R_2$. They are generally biocompatible, non-toxic and stable in both organic and aqueous solutions, and so are extensively used in biological applications, as well as nanotechnology and materials research. Proteins with PEG chain modifications and compounds encapsulated in PEG liposomes exhibit a longer half-life *in vivo* than their non-PEGylated counterparts, a phenomenon known as PEG shielding. Functionalised PEG lipids and phospholipids can be used for protein-PEG conjugation.

mPEG-hydrazide can react with carbonyl compounds including ketone or aldehyde to form an acyl hydrazone linkage, which is pH sensitive and can be used for reversible PEGylation.

Target: mPEG-Hydrazide

Form: Solid

Purity: $\geq 95\%$ ($^1\text{H-NMR}$). Product conforms to structure by $^1\text{H-NMR}$.

Storage: Store between 0 and -5°C . Avoid exposure to light. Ensure the vial lid is sealed when not in use.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.