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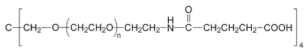
DATASHEET

4-Arm PEG-GAA

Catalogue No.:abx085100



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.

4-Arm PEG-GAA is a multiarm PEG derivative with carboxylic acid groups at each terminal of the four arms connected to one pentaerythritol core. There is a C4 amide linkage between PEG and the glutaramide acid COOH group. PEG acid can be used to react with amine groups with peptide coupling reagents such as NHS and DCC, EDC.

Target:	4-Arm PEG-GAA
Conjugation:	Unconjugated
Note:	This product is for research use only.