

Product Information

Azide/Carboxylic acid PEG reagent, 17-(Azide-PEG9-ethylcarbamoyl)heptadecanoic *t*-butyl ester, 92%

Cat. No.: X24-09-YYX455

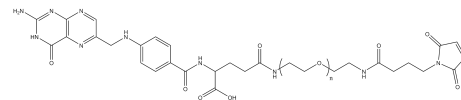
Size: 25 mg; 50 mg; 100 mg

Synonym: 17-Azido-PEG9-ethylcarbamoyl heptadecanoic acid *t*-butyl ester;

Heptadecanoic acid *t*-butyl ester with Azide-PEG9-ethylcarbamoyl; *t*-butyl ester of

17-(Azide-PEG9-ethylcarbamoyl)heptadecanoic acid

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



Product Information

Description	17-(Azide-PEG9-ethylcarbamoyl)heptadecanoic <i>t</i> -butyl ester is a PEG linker that features both an azide group and a <i>t</i> -butyl ester moiety. The azide can engage in copper-catalyzed click chemistry reactions with alkynes, DBCO, and BCN to create triazole linkages. Additionally, the <i>t</i> -butyl protected carboxylic acid can be deprotected under acidic conditions.
Molecular Weight	835.1
Molecular Formula	C ₄₂ H ₈₂ N ₄ O ₁₂
Functional Group 1	Azide
Functional Group 2	<i>t</i> -Butyl ester
Functional Group 3	Acid
Reactive Group 1	Alkynyl
Reactive Group 2	Amine
Form	Solid
Purity	92%
Identity	Confirmed by NMR.
Applications	This compound is useful in lipid modification and the design of lipid-based drug delivery systems.
Storage	Store at -20°C.