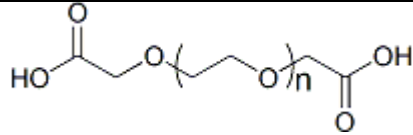


FT-AWK0H1

Carboxyl-PEO_n-Carboxyl

Unique homobifunctional di-Acid crosslinkers, with a PEO spacer (discrete PEG)

Products Description

name	cat nbr (1G)	MW (g/mol)	Comment [CAS#] Other names
HOOC-PEO_n-COOH (Acet PEO di-Carboxylic acid (L) di-Acetic acid PEO_n AA-PEO _n -AA dPG2-CA MD016016			
HOOC-PEO₂-COOH	AWIAI1	206.19	[19364-66-0] Bis-PEG2-acid MFCD22056315 3,6-dioxaoctanedioic acid Bis-PEG1'-acid
HOOC-PEO₃-COOH	AWIAG1- 250mg	250.25	[96517-92-9] Bis-PEG3-acid MFCD22056316 4,7,10-trioxa-tridecanedioic acid Bis-PEG2'-acid
HOOC-PEO₄-COOH	AWK0H1 AWK0H2- 5g	294.30	[31127-85-2] Bis-PEG4-acid 4,7,10,13-Tetraoxa-hexadecan-1,16-dicarbonsaure Bis-PEG3'-acid
HOOC-PEO₅-COOH	NFE881	338.40	[439114-13-3] Bis-PEG5-acid MFCD11041120 4,7,10,13,16-Pentaoxanonadecanedioic acid Bis-PEG4'-acid
HOOC-PEO₆-COOH	VFI38A- 500mg	382.40	[119189-70-7] Bis-PEG6-acid MFCD20926399 Bis-PEG5'-acid
HOOC-PEO₇-COOH	JQV24A	427.46	[94376-75-7] Bis-PEG7-acid MFCD20926399 Bis-PEG6'-acid
HOOC-PEO₈-COOH	B4ZBQ1	470.24	[1246189-43-4] Bis-PEG8-acid HOOCCH ₂ CH ₂ O-PEG7-CH ₂ CH ₂ COOH Bis-PEG7'-acid
HOOC-PEO₁₂-COOH	RPW541	646.73	[] Bis-PEG12-acid PA-PEG11'-PA; Bis-PEG11'-acid
HOOC-PEO₁₃-COOH	RPG00A	690.78	[892155-64-5] Bis-PEG13-acid MFCD06201023 O,O'-Bis(2-carboxyethyl)dodecaethylene glycol 4,7,10,13,16,19,22,25,28,31,34,37,40-Tridecaoxatritetracontane-1,43-dioic acid PA-PEG12'-PA; Bis-PEG12'-acid
HOOC-PEO₁₇-COOH	B4ZBR1	867	[] Bis-PEG17-acid Bis-PEG16'-acid

See also
HOOC-PEG_x-COOH (paucidisperse) (FT-[WU0221](#))

Storage: -4°C. Possible at -20°C (long term) and even RT (short term).^(M1)

Technical and Scientific Information

Features:

- Homobifunctional crosslinker
- Carboxyl group can be used by conventional chemistry, for example for conjugation to amino groups by EDC mediation
- Hydrophilic PEO/PEG spacer of adjustable length

Poly(ethylene glycol) - PEG or poly(ethylene oxide) - PEO, transfers its unique characteristics to the final conjugate: water solubility, lack of toxicity, non-immunogenicity, non-specific interactions with biological chemicals, and high flexibility and mobility.

Applications:

- . preparation of biomolecules conjugates (e.g. protein-protein, antibody-enzyme for immunoassays, nucleic acid-protein,...)
- . treatment or functionalization of surfaces, gels, vaccines...

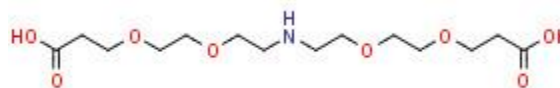
Applications include medical research, drug-release, nanotechnology and new materials research, coating for cell culture, polypeptide synthesis, graft compounds for polymers, PEG-modified functional coatings.

Related / associated products

• AminoPEGs

Acid-aPEGn-acid

AYNQV [CAS: 1919044-99-7] n=4(AYNQV),
n=6(AYMZ90)

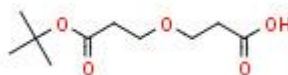


• PEG di-acids building blocks - for synthesis (blocked groups)

all Purity: 95%

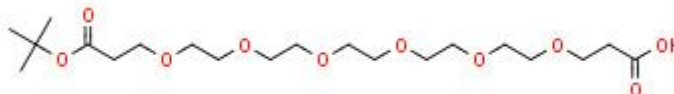
AYNBD Acid-PEG1-t-butyl ester

[2086689-08-7], MFCD30723273
Also as n=2-4-6



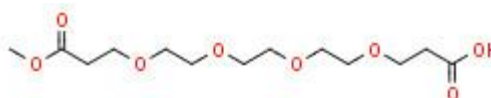
AYN3S Acid-PEG6-t-butyl ester

[2093153-84-3], MFCD30723271



AYNDH Acid-PEG4-mono-methyl ester

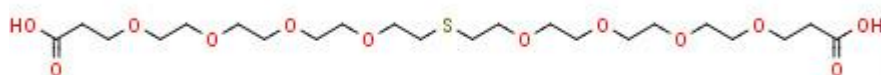
[2028284-75-3], MFCD29041550



• Cleavable spacer

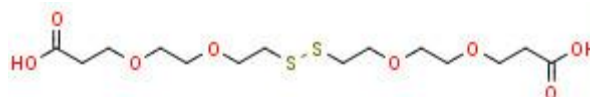
AYNRJ Acid-PEG4-S-PEG4-acid

[2055041-21-7], MFCD29918241



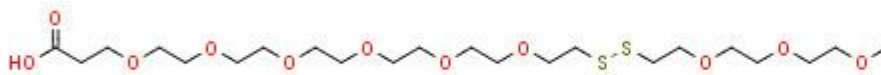
8X5220 Acid-PEG2-SS-PEG2-acid

[1807539-10-1], MFCD28950760
Also as n=3-4-6



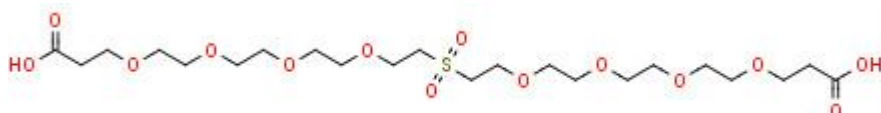
8X3250 Acid-PEG6-SS-PEG6-acid

[2055014-97-4], MFCD28950757



AYNCIO Acid-PEG4-sulfone-PEG4-acid

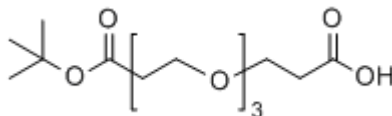
[2055024-37-6], MFCD30182056



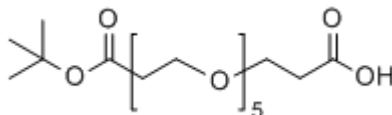
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• **Building Blocks (protected di-acids)**

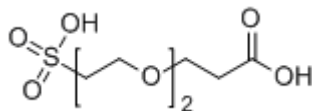
Inquire **COOH-PEO3-OtBu**
COOH-PEG3-OtBu
MW :306.4



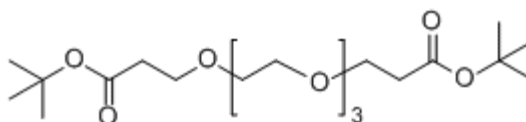
Inquire **COOH-PEO5-OtBu**
COOH-PEG5-OtBu
MW :394.5



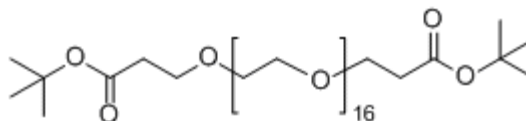
Inquire **COOH-PEO2-SO3H**
COOH-PEG2-SO3H
MW : Also as n=4-5



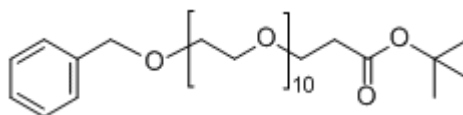
Inquire **OtBu-PEO3-OtBu**
OtBu-PEG3-OtBu
MW : Also as n=4-5-16



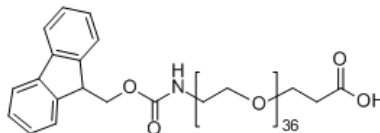
Inquire **OtBu-PEO16-OtBu**
OtBu-PEG16-OtBu
MW : 978



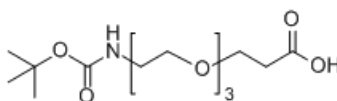
Inquire **Benzyl-PEO10-C2H4-COObu**
Benzyl-PEO10-C2H4-COObu
MW : Also as n=11-16-18



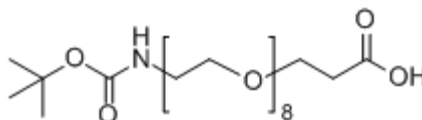
Inquire **Benzyl-PEO18-COOH**
Benzyl-PEO18-COOH
MW :



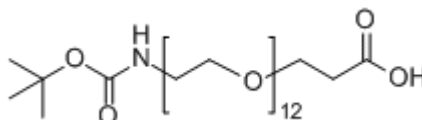
Inquire **Boc-NH-PEO2-COOH**
Boc-NH-PEG2-COOH
MW : Also as n=3-4-5-6-8



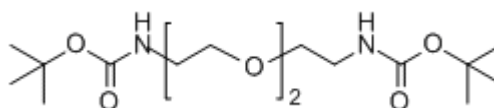
Inquire **Boc-NH-PEO8-COOH**
Boc-NH-PEG8-COOH
MW :



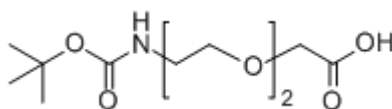
Inquire **Boc-NH-PEO12-COOH**
Boc-NH-PEG12-COOH
MW :717.84



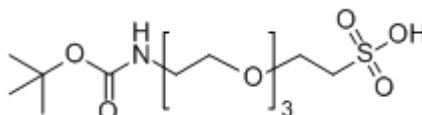
Inquire **Boc-NH-PEO2-NH-Boc**
Boc-NH-PEG2-NH-Boc
MW :348.4



Inquire **Boc-NH-PEO2-CH2COOH**
Boc-NH-PEG2-CH2COOH
MW :263.3 Also as n=3-4

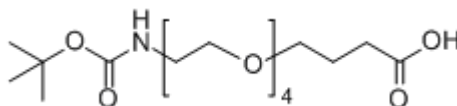


Inquire **Boc-NH-PEO3-SO3H**
Boc-NH-PEG3-SO3H
MW : 357.42

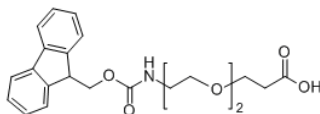


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Inquire **Boc-NH-PEO4-CH₂CH₂CH₂COOH**
 Boc-NH-PEG4-CH₂CH₂CH₂COOH
 MW : 379.4



Inquire **Fmoc-NH-PEO2-COOH**
 Fmoc-NH-PEG2-COOH
 MW : 399.44

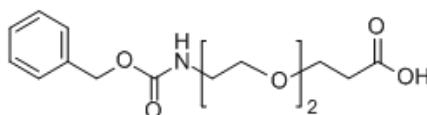


Also as n=2-4-5-6-8-9-12-36⁰.

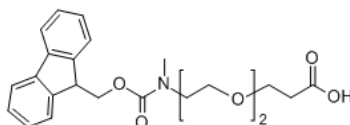
Inquire **Fmoc-NH-PEGn-COOH**
 n=4-5-6-8-9-12-36⁰.

Inquire **Fmoc-NH-PEGn-CH₂COOH**
 n=2 : MW :385.42
 n=3-4-5-8-9-12

Inquire **CBZ-NH-PEG2-COOH**
 n=2 : MW :311.33
 Also as n=3-4-5-6-8



Inquire **Fmoc-N-methyl-N-amido-PEG2-COOH** ; MW :413.46



See [BioSciences Innovations catalogue](#) and [e-search tool](#).

– Useful [modifiers](#) and other conjugation technologies :

- DCC (N,N'-dicyclohexylcarbodiimide), [HG9911](#)
- EDAC, [520059](#)
- DTT, [054720](#)
- SATA #84235A, Iminothiolane #[42425A](#)
- SMCC-hydrazide #[BII281](#)
- Hydrazone chemistry: [Conjugation kit #BL1501](#) and crosslinkers (SANH #[BL9270](#), MHPH #[BL9401](#))

- Other crosslinkers

- Homobifunctional crosslinkers: NHS-NHS reagents, i.e. [NHS-PEO-NHS](#) and SMCC #[54940A](#)
- Homobifunctional crosslinkers: MAL-MAL reagents, i.e. [MAL-PEO-MAL](#) #L7736A
- PhotoActivable (PA) crosslinkers: SH and PA reactive i.e. SCBP #[BII361](#),...

- Desalting tools: [CelluSep dialysis tubings](#), Desalting gelfiltration columns #[UP84874](#)

- Activated proteins for immunization and screening conjugates: [KLH](#), [BSA](#), [OVA](#), MaxiBind™, Activated KLH [86734A](#)

For in vitro R&D use only

Please contact Uptima – Interchim for any other information

Rev.V01E