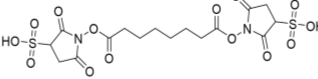
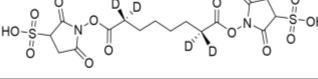
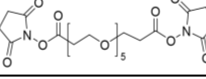
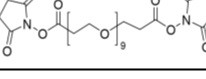
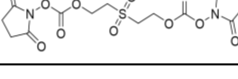
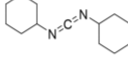

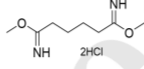
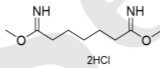
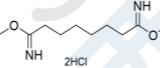
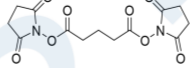
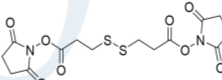
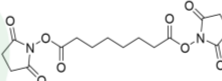
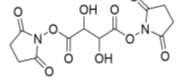
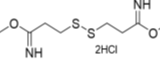
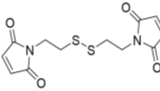
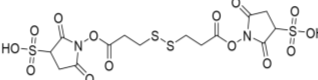
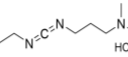
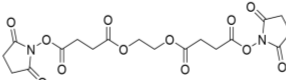
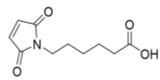
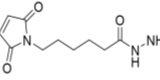
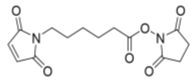
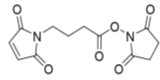
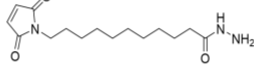
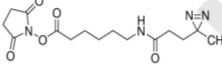
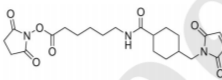
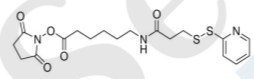

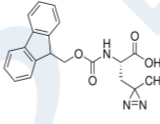
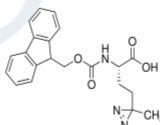
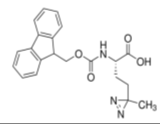
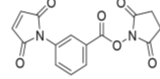
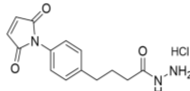

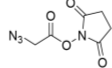
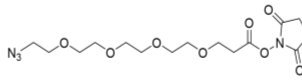
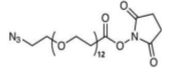
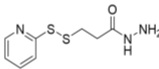
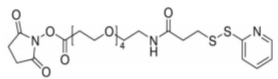
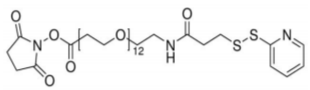
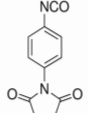
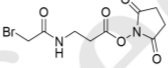
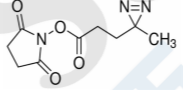
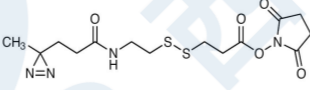
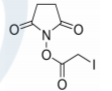
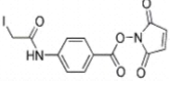
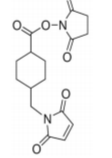
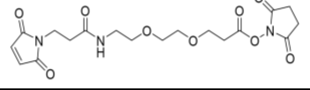
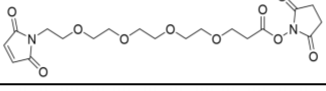
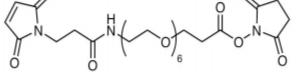


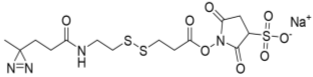
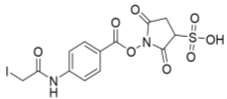
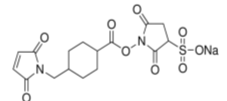
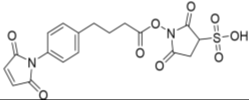
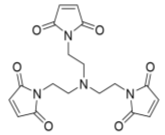
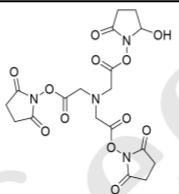
蛋白质交联剂 Cross Linkers							
定义和应用	生物偶联:	在温和的条件下(人体或类人体),通过化学键将官能团分子与生物分子(如DNA、RNA、蛋白质、脂质类和糖类)结合形成复合物。					
	蛋白质交联剂:	指含有活性反应基团,能与生物分子上的特定功能基团(如伯胺和巯基)反应的物质。					
	主要应用:	常用于药物开发、配体结合分析、纯化,疾病诊断和高通量筛选等等。					
	一般途径:	交联、固定、表面修饰和生物标记等等。					
选择交联剂	整体的要素:	①交联剂和目标分子的化学性;②其他影响因素在目标应用中的行为特征。					
	交联剂特性:	官能团的反应性;整体需要的反应环境;间隔臂的长度,组成;间隔臂是否可裂解;直链还是支链;水溶性和膜透性。					
Seebio Code.	Abbreviation	Chemical Name	CAS	Structure	Pkg. Size	M.W. (g/mole)	Spacer Arm (Å)
AAU15991A	AMAS	N-( $\alpha$ -Maleimidoacetoxy) Succinimide ester	55750-61-3		50mg	252.18	4.4 Å
AAU15992A	ANB-NOS	N-5-Azido-2-nitrobenzyloxy Succinimide	60117-35-3		50mg	305.2	7.7 Å
AAU15993A	BMB	1,4-Bis-Maleimidobutane	28537-70-4		50mg	248.23	10.9 Å
AAU15994A	BMDB	1,4-Bis-Maleimimidyl-2,3-dihydroxy-butane	189013-00-1		50mg	280.25	10.2 Å
AAU15995A	BMH	Bis-Maleimidohexane	4856-87-5		50mg	276.29	16.1 Å
AAU15996A	BMOE	Bis-Maleimidoethane	5132-30-9		50mg	220.18	8 Å
AAU15997A	BMPH	N-( $\beta$ -Maleimidopropionic acid)hydrazide•TFA	359436-61-6		50mg	297.19	8.1 Å
AAU15998A	BMPS	N-( $\beta$ -Maleimidopropoxy) succinimide ester	55750-62-4		50mg	266.21	5.9 Å
AAU15999A	BM(PEG)2	1,8-Bis-Maleimidodiethylene glycol	115597-84-7		50mg	308.29	14.7 Å
AAU16000A	BM(PEG)3	1,11-Bis-Maleimidotriethyleneglycol	86099-06-1		50mg	352.34	17.8 Å
AAU16001A	BS3 (Sulfo-DSS)	Bis(sulfosuccinimidyl) Suberate	82436-77-9		50mg/ 1G	572.43	11.4 Å
AAU16002A	BS2G-d0	Bis(sulfosuccinimidyl) glutarate-d0	215597-83-4		10mg	530.35	7.7 Å
AAU16003A	BS2G-d4	Bis(sulfosuccinimidyl)2,2,4,4-glutarate-d4	No.		10mg	534.38	7.7 Å

AAU16004A	BS3-d0	Bis(sulfosuccinimidyl)suberate-d0	82436-77-9		10mg	572.43	11.4 Å
AAU16005A	BS3-d4	Bis(sulfosuccinimidyl)2,2,7,7-suberate-d4	No.		10mg	576.45	11.4 Å
AAU16006A	BS(PEG)5	Bis(NHS)PEG5	756526-03-1		100mg	532.5	21.7 Å
AAU16007A	BS(PEG)9	Bis(NHS)PEG9	1008402-79-6		100mg	708.71	35.8 Å
AAU16008A	BSOCOES	Bis(2-[succinimidoxy carbonyloxy] ethyl) sulfone	57683-72-4		50mg	436.35	13 Å
AAU16009A	DCC	N,N-Dicyclohexylcarbodiimide	538-75-0		100g	206.33	0 Å
AAU16010A	DFDNB	1-5-Difluoro-2,4-dinitrobenzene	327-92-4		50mg	204.09	3 Å
AAU16011A	DMA	Dimethyl Adipimide•2HCl	14620-72-5		1g	245.15	8.6 Å
AAU16012A	DMP	Dimethyl pimelimide•2HCl	36875-25-9		50mg/ 1G	259.17	9.2 Å
AAU16013A	DMS	Dimethyl suberimide•2HCl	29878-26-0		1g	273.2	11 Å
AAU16014A	DSG	Disuccinimidyl glutarate	79642-50-5		50mg	326.26	7.7 Å
AAU16015A	DSP	Dithio bis(succinimidyl propionate) (Lomant's reagent)	57757-57-0		50MG/ 1G/ 5G	404.42	12 Å
AAU16016A	DSS	Disuccinimidyl suberate	68528-80-3		50MG/ 1G/ 5G	368.35	11.4 Å
AAU16017A	DST	Disuccinimidyl Tartarate	77658-91-4		50mg/1G	344.24	6.4 Å
AAU16018A	DTBP	Dimethyl 3,3'-dithiobispropionimide•2HCl	38285-78-8		100mg/ 1g	309.28	11.9 Å
AAU16019A	DTME	Dithio bis-maleimidoethane	71865-37-7		50mg	312.37	13.3 Å
AAU16020A	DTSSP (Sulfo-DSP)	3,3'-Dithiobis(sulfosuccinimidyl propionate)	81069-02-5		50mg	608.51	12 Å
AAU16021A	EDC	1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride	25952-53-8		10*1mg/5g/25g	191.7	0 Å

AAU16022A	EGS	Ethylene glycol bis (succinimidyl succinate)	70539-42-3		1g	456.36	16.1 Å
AAU16023A	EMCA	6-Maleimidocaproic Acid	81186-33-6		1g	211.21	9.4 Å
AAU16024A	EMCH	6-Maleimidocaproic Acid Hydrazide	81186-33-6		50mg	225.24	11.8 Å
AAU16025A	EMCS	N-Succinimidyl 6-Maleimidohexanoate	55750-63-5		50mg	308.29	9.4 Å
AAU16026A	GMBS	4-Maleimidobutyric acid N-hydroxysuccinimide este	80307-12-6		50mg	280.23	7.3 Å
AAU16027A	KMUH	11-Maleimidoundecanoic Acid Hydrazide	359436-62-7		50mg	295.38	19 Å
AAU16028A	LC-SDA	Succinimidyl 6-(4,4'-azipentanamido)hexanoate (NHS-LC-Diazirine)	1435895-19-4		50mg	338.36	12.5 Å
AAU16029A	LC-SMCC	Succinimidyl 4-(N-maleimidomethyl)cyclohexane-1-carboxy-(6-amidocaproate)	125559-00-4		50mg	447.48	16.2 Å
AAU16030A	LC-SPDP	Succinimidyl 6-(3'-[2-pyridyl(dithio)propionamido]hexanoate	158913-22-5		50mg	425.52	15.7 Å
AAU16031A	L-Photo-Leucine	(2S)-2-amino-3-(3-methyl-diazirin-3-yl)propanoic acid	851960-91-3		100mg	143.15	0 Å
AAU16032A	Fmoc-L-photo-leucine	(S)-2-(((9H-Fluoren-9-yl)methoxy)carbonylamino)-3-(3-methyl-3H-diazirin-3-yl)propanoic acid	1360651-24-6		50mg		
AAU16033A	L-Photo-Methionine	(S)-2-(((9H-Fluoren-9-yl)methoxy)carbonylamino)-4-(3-methyl-3H-diazirin-3-yl)butanoic acid	945859-89-2		100mg	157.17	0 Å
AAU16034A	Fmoc-L-photo-methionine	(S)-2-(((9H-Fluoren-9-yl)methoxy)carbonylamino)-4-(3-methyl-3H-diazirin-3-yl)butanoic acid	945859-89-2		100mg		
AAU16035A	MBS	m-Maleimidobenzoyl-N-hydroxysuccinimide ester	58626-38-3		25mg/100mg	314.25	7.3 Å
AAU16036A	MPBH	4-(4-N-Maleimidophenyl)-butyric acid Hydrazide•HCl	157797-94-9		50mg	309.75	17.9 Å
AAU16037A	NHS	N-Hydroxysuccinimide	6066-82-6		25mg/25g/100g	115.09	NA

AAU16038A	NHS-Azide	N-hydroxysuccinimide ester ethane azide	824426-32-6		10mg	198.14	2.5 Å
AAU16039A	NHS-PEG4-Azide	N-hydroxysuccinimide ester tetraoxapentadecane azide	944251-24-5		100mg	388.37	18.9 Å
AAU16040A	NHS-PEG12-Azide	N-hydroxysuccinimide ester dodecaoxanonatriacontane azide	1610796-02-5		100mg	740.79	47.3 Å
AAU16041A	PDPH	3-(2-Pyridyl)dithio)propionylhydrazide	115616-51-8		50mg	229.32	9.2 Å
AAU16042A	PEG4-SPDP	2-pyridyldithiol-tetraoxatetradecane-N-hydroxysuccinimide	1334177-95-5		100mg	559.17	25.7 Å
AAU16043A	PEG12-SPDP	PEG12-SPDP	No.		100mg	912.07	54.1 Å
AAU16044A	PMPI	Isocyanic Acid 4-Maleimidophenyl Ester	123457-83-0		50mg	214.18	8.7 Å
AAU16045A	SBAP	Succinimidy 3-(bromoacetamido)propionate	57159-62-3		50mg	307.1	6.2 Å
AAU16046A	SDA	Succinimidyldiazirine(NHS-Diazirine)	1239017-80-1		50mg	225.2	3.9 Å
AAU16047A	SDAD	NHS-SS-Diazirine 3-[[2-[3-(3-Methyl-3H-diazirin-3-yl)propanamido]ethyl]disulfanyl]propanoic Acid	1253202-38-8		50mg	388.46	13.5 Å
AAU16048A	SIA	N-succinimidyliodoacetate	39028-27-8		50mg/100mg	283.02	1.5 Å
AAU16049A	SIAB	N-Succinimidy(4-iodoacetyl)aminobenzoate	57159-62-3		50mg	402.14	10.6 Å
AAU16050A	SMCC	Succinimidy 4-(N-maleimido-methyl)cyclohexane-1-carboxylate	64987-85-5		50mg	334.32	8.3 Å
AAU16051A	SM[PEG]2	NHS-PEG2-Maleimide	955094-26-5		100mg/1g	425.39	17.6 Å
AAU16052A	SM[PEG]4	NHS-PEG4-Maleimide	1325208-25-0		100mg/1g	513.5	24.6 Å
AAU16053A	SM[PEG]6	NHS-PEG6-Maleimide	1137109-21-7		100mg	601.6	32.5 Å

AAU16054A	SM(PEG)8	NHS-PEG8-Maleimide	756525-93-6		100mg/250mg	689.71	39.2 Å
AAU16055A	SM(PEG)12	NHS-PEG12-Maleimide	1426151-00-9		100mg/250mg/1g	865.92	53.4 Å
AAU16056A	SMPB	Succinimidyl 4-(p-maleimido-phenyl)butyrate	79886-55-8		50mg	356.33	11.6 Å
AAU16057A	SMPH	Succinimidyl-6-(β-maleimidopropionamido)hexanoate	367927-39-7		50mg	379.36	14.2 Å
AAU16058A	SMPT	4-Succinimidyl-oxycarbonyl-methyl-α-(2-pyridyl)dithio)toluene	112241-19-7		50mg	388.46	20 Å
AAU16059A	SPB	Succinimidyl-(4-psoralen-8-yloxy)butyrate	858128-57-1		50mg	385.32	8.5-9.5 Å
AAU16060A	SPDP	N-Succinimidyl 3-(2-pyridyl)dithio)propionate	68181-17-9		50mg/ 2mg×5	312.37	6.8 Å
AAU16061A	Sulfo-EGS	Ethylene glycol bis (sulfo-succinimidyl succinate)	142702-32-7		25mg/ 50mg	660.45	16.1 Å
AAU16062A	Sulfo-EMCS	N-(ε-Maleimidocaproyloxy)sulfosuccinimide ester	215312-86-0		50mg	410.33	9.4 Å
AAU16063A	Sulfo-GMBS	N-(γ-Maleimidobutyryloxy)sulfosuccinimide ester	185332-92-7		25mg/50mg	382.28	7.3 Å
AAU16064A	Sulfo-KMUS	N-(κ-Maleimidoundecanoyloxy)sulfosuccinimide ester	211236-68-9		50mg	485.47	16.3 Å
AAU16065A	Sulfo-LC-SDA	Sulfo-NHS-LC-Diazirine	1909307-62-5		50mg	440.4	12.5 Å
AAU16066A	Sulfo-LC-SPDP	Sulfosuccinimidyl 6-(3'-[2-pyridyl)dithio]propionamido)hexanoate	150244-18-1		50mg	527.57	15.7 Å
AAU16067A	Sulfo-MBS	m-Maleimidobenzoyl-N-hydroxysulfosuccinimide ester	103848-62-0		50mg	416.3	7.3 Å
AAU16068A	Sulfo-NHS	N-Hydroxysuccinimide	106627-54-7		500mg/1g/5g	217.13	NA
AAU16069A	Sulfo-SANPAH	Sulfosuccinimidyl 6-(3'-[2-pyridyl)dithio]propionamido)hexanoate	102568-43-4		50mg	492.4	18.2 Å
AAU16070A	Sulfo-SDA	Sulfo-NHS-Diazirine; sodium;1-[3-(3-methyl-diazirin-3-yl)propanoyloxy]-2,5-dioxopyrrolidine-3-sulfonate	1644558-28-0		50mg	327.25	3.9 Å

AAU16071A	Sulf-SDAD	Sulfo-NHS-SS-Diazirine	1226983-32-9		50mg	490.51	13.5 Å
AAU16072A	Sulfo-SIAB	Sulfosuccinimidyl(4-iodoacetyl)aminobenzoate	106145-13-5		50mg	504.19	10.6 Å
AAU16073A	Sulfo-SMCC	Sulfosuccinimidyl 4-(N-maleimidomethyl)cyclohexane-1-carboxylate	92921-24-9		50mg/1g/5g	436.37	8.3 Å
AAU16074A	Sulfo-SMPB	Sulfosuccinimidyl 4-(p-maleimidophenyl)butyrate	92921-26-1		50mg	458.38	11.6 Å
AAU16075A	TMEA	Tris-(2-Maleimidoethyl)amine (Trifunctional)	139112-38-2		50mg	386.36	10.3 Å
AAU16076A	TSAT	Tris-(succinimidyl aminotricetate) (Trifunctional)	401514-72-5		50mg	482.36	4.2 Å

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