

アクリル酸およびメタクリル酸モノマー

高性能アプリケーションのためのビルディングブロック

アクリル酸およびメタクリル酸ポリマーは、優れた耐候性や高光沢、透明性、耐破損性、色保持性、透明性、耐久性などの利点を備えており、塗料やコーティング、接着剤、水処理製品、光学部品、電気・電子部品、建材、繊維、紫外線硬化、エマルジョン、ヒドロゲル形成などの幅広い分野で利用されています。

シグマ アルドリッチでは、さまざまな官能基や純度、品質保持のための添加剤や安定剤を含有したアクリル酸およびメタクリル酸モノマー製品を提供しています。

特長

- 120種類以上のアクリル酸およびメタクリル酸化合物からなる多様な製品ラインナップ
- さまざまな官能基を有する高純度モノマー
- 光や熱、空気による重合を防止するための重合禁止剤を含有

モノマー製品の最新リストは

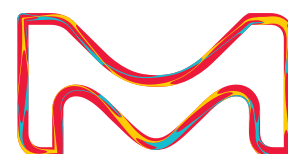
<https://bit.ly/monomer-jp>

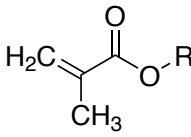
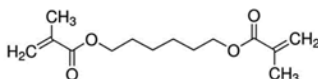
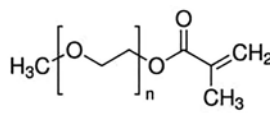
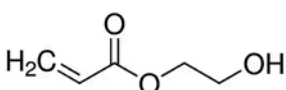
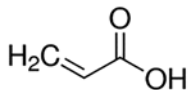


製品タイプ

- アクリル酸アルキル
- メタクリル酸アルキル
- メタクリル酸PEG
- アクリル酸水酸化物
- アクリル酸・メタクリル酸
- カチオン性アクリル酸
- アクリル酸エポキシ
- アクリル酸ジオール

化合物名	純度	重合禁止剤	カタログ番号	代表的な構造式
アクリル酸アルキル				
Butyl acrylate	≥ 99%	contains 10-60 ppm monomethyl ether hydroquinone as inhibitor	234923	
<i>tert</i> -Butyl acrylate	98%	contains 10-20 ppm monomethyl ether hydroquinone as inhibitor	327182	
2-Ethylhexyl acrylate	98%	contains ≥ 0.001– ≤ 0.11% monomethyl ether hydroquinone as stabilizer	290815	
Ethyl acrylate	99%	contains 10-20 ppm MEHQ as inhibitor	E9706	
Isobutyl acrylate	≥ 99%	contains 10-20 ppm monomethyl ether hydroquinone as inhibitor	436305	
Methyl acrylate	99%	contains ≤ 100 ppm monomethyl ether hydroquinone as inhibitor	M27301	



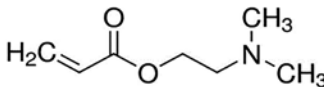
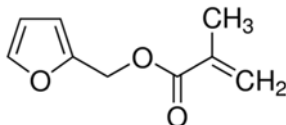
化合物名	純度／平均 M _n	重合禁止剤	カタログ番号	代表的な構造式
メタクリル酸アルキル				
<i>tert</i> -Butyl methacrylate	98%	contains 200 ppm monomethyl ether hydroquinone as inhibitor	463353	
Cyclohexyl methacrylate	≥ 97%	contains ~60 ppm monomethyl ether hydroquinone as inhibitor	408964	
2-Ethylhexyl methacrylate	98%	contains ~50 ppm monomethyl ether hydroquinone as stabilizer	290807	
Hexyl methacrylate	98%	contains 100 ppm MEHQ	462373	
Lauryl methacrylate	96%	contains 500 ppm MEHQ as inhibitor	291811	
Propyl methacrylate	97%	contains ~200 ppm MEHQ	751162	
アクリル酸ジオール				
1,4-Butanediol dimethacrylate	95%	contains 200-300 ppm MEHQ as inhibitor	234958	
1,10-Decanediol dimethacrylate		<300 ppm HQ as stabilizer	910414	
1,10-Decanediol dimethacrylate	97%	contains 4-Methoxyphenol as inhibitor	808725	
1,6-Hexanediol diacrylate	80%	100 ppm monomethyl ether hydroquinone as inhibitor	246816	
1,6-Hexanediol dimethacrylate	≥ 90%	contains 100 ppm hydroquinone as inhibitor	411736	
メタクリル酸 PEG				
Poly(ethylene glycol) methyl ether methacrylate	300	contains 300 ppm BHT as inhibitor, 100 ppm MEHQ as inhibitor	447935	
	500	contains 100 ppm MEHQ as inhibitor, 200 ppm BHT as inhibitor	447943	
	950	contains 100 ppm MEHQ as inhibitor, 300 ppm BHT as inhibitor	447951	
	1,500	contains ≤ 300 ppm monomethyl ether hydroquinone as stabilizer	730319	
	2,000	50 wt. % in H ₂ O	457876	
	4,000	contains ≤ 300 ppm monomethyl ether hydroquinone as inhibitor	730327	
Poly(ethylene glycol) dimethacrylate	1,000	contains MEHQ as inhibitor	906859	
	4,000	contains MEHQ as inhibitor	907049	
アクリル酸水酸化物				
4-Hydroxybutyl acrylate	90%	contains 50 ppm monomethyl ether hydroquinone as inhibitor, 300 ppm hydroquinone as inhibitor	275573	
2-Hydroxyethyl acrylate	96%	contains 200-650 ppm monomethyl ether hydroquinone as inhibitor	292818	
2-Hydroxyethyl methacrylate	≥ 99%	contains ≤ 50 ppm monomethyl ether hydroquinone as inhibitor	477028	
2-Hydroxyethyl methacrylate	97%	contains ≤ 250 ppm monomethyl ether hydroquinone as inhibitor	128635	
Hydroxypropyl acrylate, mixture of isomers	95%	contains 200 ppm hydroquinone monomethyl ether as inhibitor	370932	
アクリル酸・メタクリル酸				
Acrylic acid	99%	anhydrous, contains 200 ppm MEHQ as inhibitor	147230	
Acrylic anhydride	≥ 90%		909270	
Methacrylic acid	99%	contains 250 ppm MEHQ as inhibitor	155721	
Methacrylic anhydride	≥ 94%	contains 2,000 ppm topanol A as inhibitor	276685	
2-(Trifluoromethyl)acrylic acid	98%		369144	

シグマ アルドリッチのバルクサービス

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バルク対応お問い合わせフォーム
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化合物名	純度	重合禁止剤	カタログ番号	代表的な構造式
カチオン性アクリル酸				
2-(Dimethylamino)ethyl acrylate	98%	contains <2,000 ppm MEHQ as inhibitor	330957	
2-(Diethylamino)ethyl acrylate	95%	contains 25 ppm monomethyl ether hydroquinone as inhibitor	408972	
2-(Dimethylamino)ethyl methacrylate	98%	contains 700-1000 ppm monomethyl ether hydroquinone as inhibitor	234907	
2-(Diethylamino)ethyl methacrylate	99%	contains 1500 ppm MEHQ as inhibitor	408980	
2-(Diisopropylamino)ethyl methacrylate	97%	contains ~100 ppm monomethyl ether hydroquinone as inhibitor	730971	
Tritolylamine diacrylate	>98%	150-400 ppm MEHQ as stabilizer	909068	
その他アクリル酸化合物				
Bisphenol A glycerolate dimethacrylate, glycerol/phenol 1			494356	
Diurethane dimethacrylate, mixture of isomers	≥ 97%	contains 225 ppm ± 25 ppm topanol as inhibitor	436909	
Furfuryl methacrylate	97%	contains 200 ppm monomethyl ether hydroquinone as inhibitor	411760	
Glycidyl methacrylate	97%	contains 100 ppm monomethyl ether hydroquinone as inhibitor	151238	
Pentaerythritol tetraacrylate		contains 350 ppm monomethyl ether hydroquinone as inhibitor	408263	
Tetrahydrofurfuryl methacrylate	97%	contains 75 ppm HQ as inhibitor, 900 ppm MEHQ as inhibitor	409456	

主な産業用アプリケーション

化合物名	純度	重合禁止剤	カタログ番号
自動車、工業用塗料、エマルジョン、接着剤、シーラント			
<i>tert</i> -Butyl acrylate	98%	contains 10-20 ppm monomethyl ether hydroquinone as inhibitor	327182
<i>tert</i> -Butyl methacrylate	98%	contains 200 ppm monomethyl ether hydroquinone as inhibitor	463353
4-Hydroxybutyl acrylate	90%	contains 50 ppm monomethyl ether hydroquinone as inhibitor, 300 ppm hydroquinone as inhibitor	275573
Isobutyl acrylate	≥ 99%	contains 10-20 ppm monomethyl ether hydroquinone as inhibitor	436305
Isodecyl acrylate		contains MEHQ as inhibitor	408956
Lauryl methacrylate	96%	contains 500 ppm MEHQ as inhibitor	291811
潤滑油			
Isodecyl methacrylate	95%		408948
Lauryl acrylate	90%, technical grade		447315
Lauryl methacrylate	96%	contains 500 ppm MEHQ as inhibitor	291811
Octadecyl acrylate	97%	contains 200 ppm monomethyl ether hydroquinone as inhibitor	409693
Stearyl methacrylate		mixture of stearyl and cetyl methacrylates, contains MEHQ as inhibitor	411442
UV硬化			
Cyclohexyl methacrylate	≥ 97%	contains ~60 ppm monomethyl ether hydroquinone as inhibitor	408964
1,6-Hexanediol dimethacrylate	≥ 90%	contains 100 ppm hydroquinone as inhibitor, ≥ 90%	411736
Hydroxypropyl acrylate, mixture of isomers	95%	contains 200 ppm hydroquinone monomethyl ether as inhibitor	370932
Lauryl acrylate	90%, technical grade		447315
Methacrylic acid	99%	contains 250 ppm MEHQ as inhibitor	155721
Octadecyl acrylate	97%	contains 200 ppm monomethyl ether hydroquinone as inhibitor	409693

化合物名	純度／平均 M _n	重合禁止剤	カタログ番号
眼科用コンタクトレンズ*			
Ethylene glycol dimethacrylate	98%	contains 90-110 ppm monomethyl ether hydroquinone as inhibitor	335681
2-Hydroxyethyl methacrylate	≥ 99%	contains ≤ 50 ppm monomethyl ether hydroquinone as inhibitor	477028
Methyl methacrylate	99%	contains ≤ 30 ppm MEHQ as inhibitor	M55909
Tetra(ethylene glycol) diacrylate	technical grade	contains 100-150 ppm HQ as inhibitor, 150-200 ppm MEHQ as inhibitor	398802
Triethylene glycol methyl ether methacrylate	93%	contains MEHQ as inhibitor	729841
3-[Tris(trimethylsiloxy)silyl]propyl methacrylate	98%	contains MEHQ + HQ as stabilizer	446130
医療機器、歯科インプラント、診断薬*			
Bisphenol A ethoxylate dimethacrylate	~1,700	EO/phenol 15, contains 200 ppm MEHQ as inhibitor	455059
Bisphenol A dimethacrylate	>98%		156329
Diurethane dimethacrylate, mixture of isomers	≥ 97%	contains 225 ppm ± 25 ppm topanol as inhibitor	436909
Glycidyl methacrylate	97%	contains 100 ppm monomethyl ether hydroquinone as inhibitor	151238
Methyl methacrylate	99%	contains ≤ 30 ppm MEHQ as inhibitor	M55909
3-(Trimethoxysilyl)propyl methacrylate	98%		440159
Zinc acrylate	98%		409464
ハイドロゲル形成			
Acrylic acid	99%	anhydrous, contains 200 ppm MEHQ as inhibitor	147230
2-Hydroxyethyl acrylate	96%	contains 200-650 ppm monomethyl ether hydroquinone as inhibitor	292818
Poly(ethylene glycol) methyl ether methacrylate	500	contains 100 ppm MEHQ as inhibitor, 200 ppm BHT as inhibitor	447943
	300	contains 300 ppm BHT as inhibitor, 100 ppm MEHQ as inhibitor	447935
	950	contains 100 ppm MEHQ as inhibitor, 300 ppm BHT as inhibitor	447951



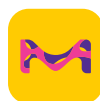
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- カテゴリや形状で絞り込み検索が可能
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- 3000品目を超える、様々な形状のポリマーも検索が可能



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シグマ アルドリッチ ジャパン

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