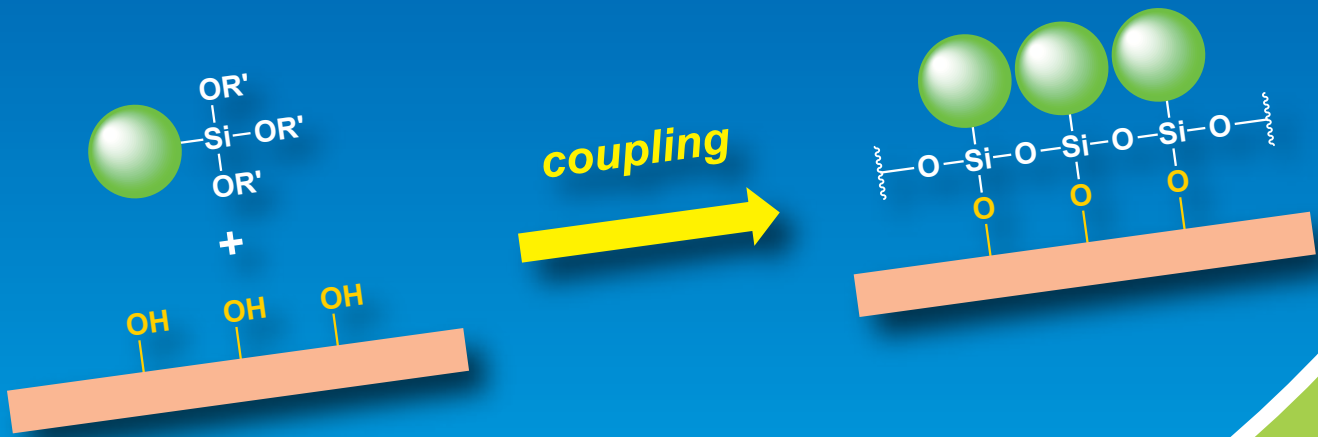


シランカップリング剤

Silane Coupling Agents



オレフィニルシラン

アクリロイルオキシアルキルシラン

グリシジルオキシアルキルシラン

アミノアルキルシラン

アルキルシラン

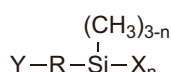
アリールシランおよびアリールアルキルシラン

フルオロアルキルシランおよびフルオロアリールシラン

その他のシラン

シランカップリング剤

シランカップリング剤は分子内に有機材料と反応結合する官能基、および無機材料と反応結合する官能基を同時に有する有機ケイ素化合物で、一般的にその構造は次のように示されます。



ここで、Yは有機材料と反応結合する官能基で、ビニル基、エポキシ基、アミノ基などがその代表例として挙げられます。Xは無機材料と反応する官能基で、水、あるいは湿気により加水分解を受けてシラノールを生成します。このシラノールが無機材料と反応結合します。Xの代表例としてアルコキシ基、アセトキシ基、クロル原子などが挙げられます。

シランカップリング剤は有機材料と無機材料の界面における接着性の改良に効果的で、ガラス繊維強化プラスチックの強度向上、性能改良などに利用されてきました。そして、近年ではプリント基板用の積層版、人工大理石、プラスチック磁石、生理活性物質を固定したシリカといった無機-有機ハ

イブリッド材料の製造に利用されています。

また、界面の接着性改良という本来の目的とは異なった応用も盛んに研究されています。加水分解性基の反応性を利用した水架橋性ポリマーの合成や、シランカップリング剤で表面処理することによる材料への帯電防止性、抗菌性の付与などがその一例です。今後も幅広い分野での応用が期待されています。

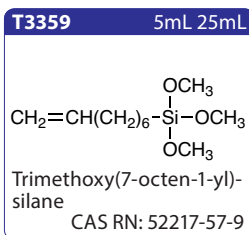
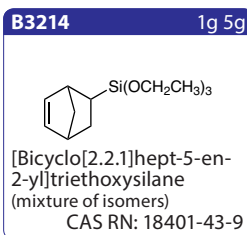
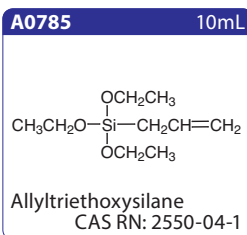
具体的な使用方法につきましては、文献をご参考にしてください。

文献

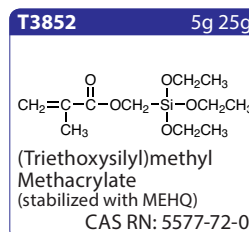
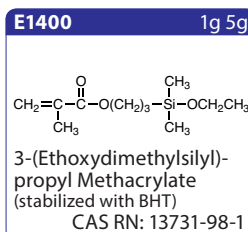
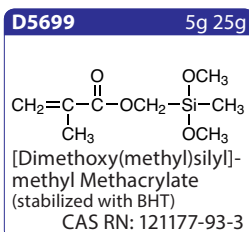
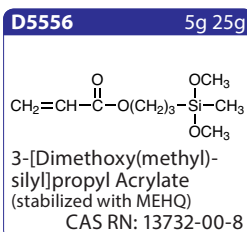
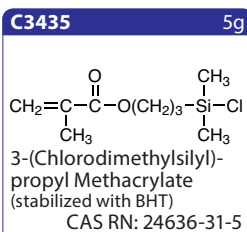
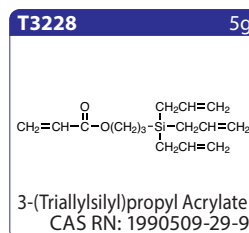
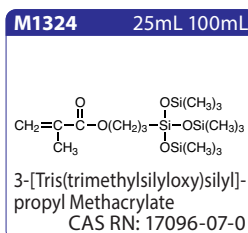
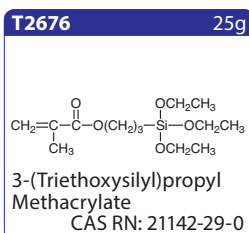
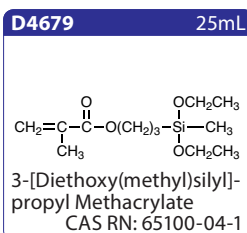
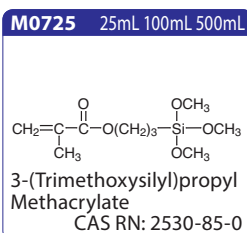
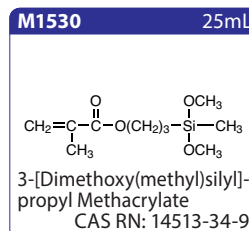
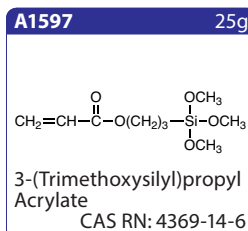
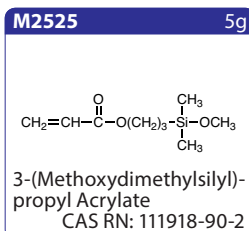
- 1) E. P. Plueddemann, *Silane Coupling Agents*, 2nd ed., Springer US, New York, 1991.
- 2) K. L. Mittal, *Silanes and Other Coupling Agents*, Volume 5, CRC Press, New York, 2009.
- 3) 中村吉伸, 永田員也, シランカップリング剤の効果と使用法 全面改定版, S&T出版, 2012.

オレフィニルシラン

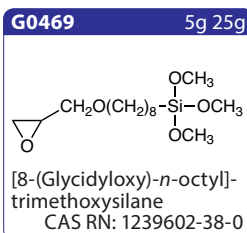
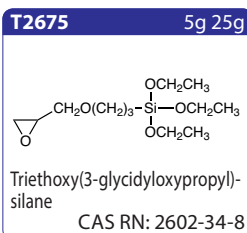
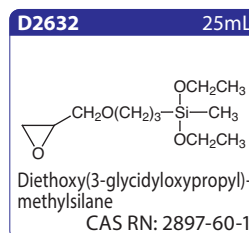
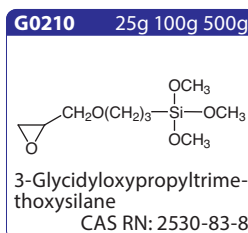
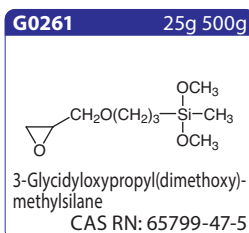
C1208 25mL 100mL	$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_2=\text{CH}-\text{Si}-\text{Cl} \\ \\ \text{CH}_3 \end{array}$ Chlorodimethylvinylsilane CAS RN: 1719-58-0	T0407 25g 100g 500g	$\begin{array}{c} \text{Cl} \\ \\ \text{Cl}-\text{Si}-\text{CH}=\text{CH}_2 \\ \\ \text{Cl} \end{array}$ Trichlorovinylsilane CAS RN: 75-94-5	V0042 25mL 100mL 500mL	$\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\ \\ \text{OCH}_3 \end{array}$ Vinyltrimethoxysilane CAS RN: 2768-02-7
V0046 25mL	$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_2=\text{CH}-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$ Dimethylethoxyvinylsilane CAS RN: 5356-83-2	D3386 25g 250g	$\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3-\text{Si}-\text{CH}=\text{CH}_2 \\ \\ \text{OCH}_3 \end{array}$ Dimethoxymethylvinylsilane CAS RN: 16753-62-1	D2318 25mL	$\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3-\text{Si}-\text{CH}=\text{CH}_2 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ Diethoxymethylvinylsilane CAS RN: 5507-44-8
V0044 25mL 100mL 500mL	$\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ Triethoxyvinylsilane CAS RN: 78-08-0	T3694 25mL	$\begin{array}{c} \text{OCH}(\text{CH}_3)_2 \\ \\ \text{CH}_2=\text{CH}-\text{Si}-\text{OCH}(\text{CH}_3)_2 \\ \\ \text{OCH}(\text{CH}_3)_2 \end{array}$ Triisopropoxy(vinyl)silane CAS RN: 18023-33-1	V0048 25mL 500mL	$\begin{array}{c} \text{OCH}_2\text{CH}_2\text{OCH}_3 \\ \\ \text{CH}_3\text{OCH}_2\text{CH}_2\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\ \\ \text{OCH}_2\text{CH}_2\text{OCH}_3 \end{array}$ Vinyltris(2-methoxyethoxy)-silane CAS RN: 1067-53-4
H1613 5mL 25mL	$\begin{array}{c} \text{OSi}(\text{CH}_3)_3 \\ \\ \text{CH}_2=\text{CH}-\text{Si}-\text{OSi}(\text{CH}_3)_3 \\ \\ \text{OSi}(\text{CH}_3)_3 \end{array}$ Tris(trimethylsilyloxy)(vinyl)-silane CAS RN: 5356-84-3	V0185 25g	$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_2=\text{C}-\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\ \quad \\ \text{O}-\text{C}=\text{CH}_2 \quad \text{O}-\text{C}=\text{CH}_2 \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$ Tris(isopropenyloxy)(vinyl)silane CAS RN: 15332-99-7	A1275 10mL 25mL	$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_2=\text{CHCH}_2-\text{Si}-\text{Cl} \\ \\ \text{CH}_3 \end{array}$ Allylchlorodimethylsilane CAS RN: 4028-23-3
A1504 5mL 25mL	$\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3\text{O}-\text{Si}-\text{CH}_2\text{CH}=\text{CH}_2 \\ \\ \text{OCH}_3 \end{array}$ Allyltrimethoxysilane CAS RN: 2551-83-9				



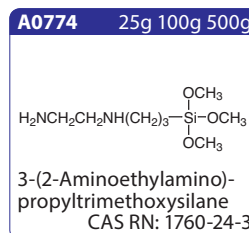
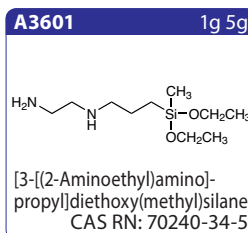
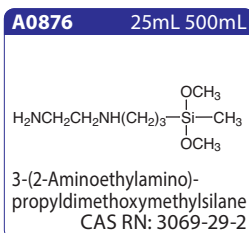
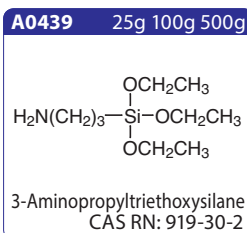
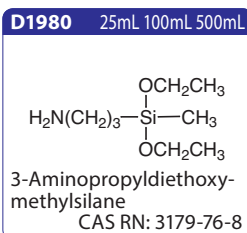
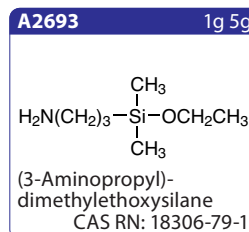
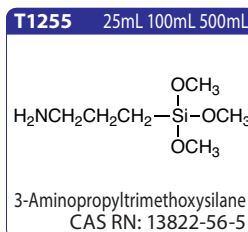
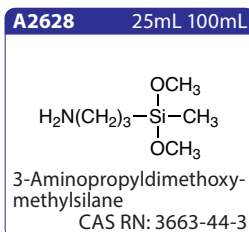
アクリロイルオキシ アルキルシラン



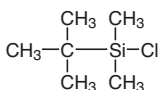
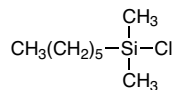
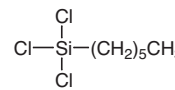
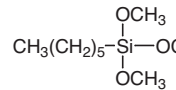
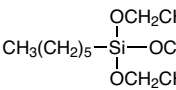
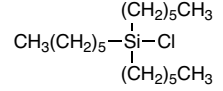
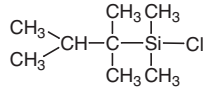
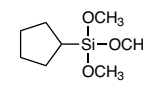
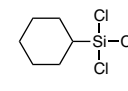
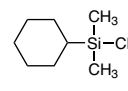
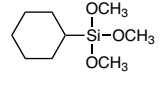
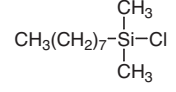
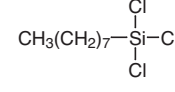
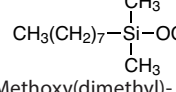
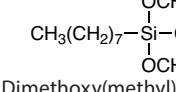
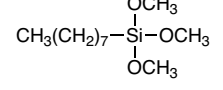
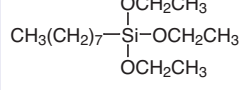
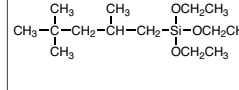
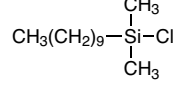
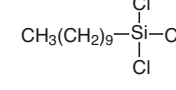
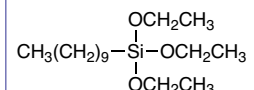
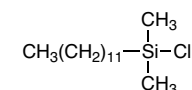
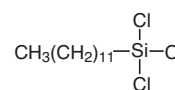
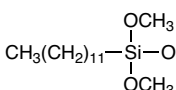
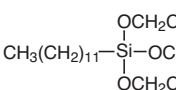
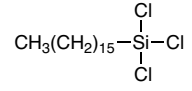
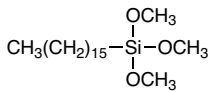
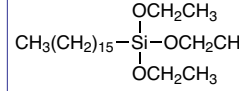
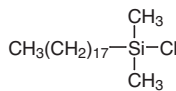
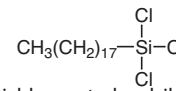
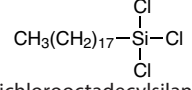
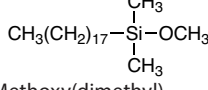
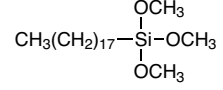
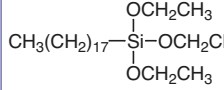
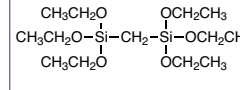
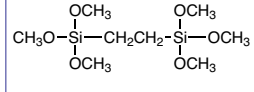
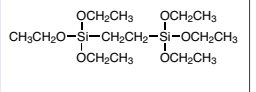
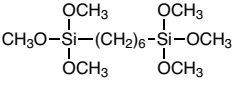
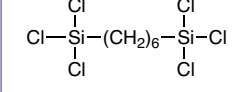
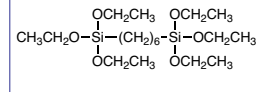
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<p>A1923 25g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{H}_2\text{NCH}_2\text{CH}_2\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>3-(2-Aminoethylamino)-propyltriethoxysilane CAS RN: 5089-72-5</p>	<p>A3128 5mL 25mL</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{H}_2\text{N}(\text{CH}_2)_6\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>[3-(6-Aminoethylamino)-propyl]trimethoxysilane CAS RN: 51895-58-0</p>	<p>T2868 25g 100g</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Trimethoxy[3-(methylamino)-propyl]silane CAS RN: 3069-25-8</p>	<p>T3242 5g 25g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>3-(Methylamino)-propyltriethoxysilane CAS RN: 6044-50-4</p>	<p>D4328 5mL 25mL</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3-\text{N}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>[3-(N,N-Dimethylamino)-propyl]trimethoxysilane CAS RN: 2530-86-1</p>
<p>T3733 25mL</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3(\text{CH}_2)_3\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>[3-(Butylamino)propyl]-trimethoxysilane CAS RN: 31024-56-3</p>	<p>P1458 25g 250g</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{C}_6\text{H}_5-\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Trimethoxy[3-(phenylamino)-propyl]silane CAS RN: 3068-76-6</p>	<p>B2548 25g 100g</p> $\begin{array}{c} \text{OCH}_3 \qquad \text{OCH}_3 \\ \qquad \qquad \\ \text{CH}_3\text{O}-\text{Si}-\text{OCH}_3 \qquad \text{OCH}_3 \\ \qquad \qquad \\ (\text{CH}_2)_3\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Bis[3-(trimethoxysilyl)-propyl]amine CAS RN: 82985-35-1</p>	<p>B6036 25g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \qquad \text{OCH}_2\text{CH}_3 \\ \qquad \qquad \\ \text{CH}_3\text{CH}_2\text{O}-\text{Si}-\text{OCH}_2\text{CH}_3 \qquad \text{OCH}_2\text{CH}_3 \\ \qquad \qquad \\ (\text{CH}_2)_3\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Bis[3-(triethoxysilyl)-propyl]amine CAS RN: 13497-18-2</p>	<p>E1474 5g 25g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2-\text{N}-\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \qquad \qquad \\ \text{CH}_3\text{CH}_2 \qquad \text{OCH}_2\text{CH}_3 \end{array}$ <p>(Diethylaminomethyl)-triethoxysilane CAS RN: 15180-47-9</p>
<p>T2796 10g 25g</p> $\begin{array}{c} \text{CH}_3 \\ \\ (\text{CH}_3\text{O})_3\text{Si}(\text{CH}_2)_3-\text{N}^+\text{CH}_3 \text{Cl}^- \\ \\ \text{CH}_3 \end{array}$ <p>Trimethyl[3-(trimethoxysilyl)-propyl]ammonium Chloride (ca. 50% in Methanol) CAS RN: 35141-36-7</p>	<p>T2246 5g 25g</p> $\begin{array}{c} \text{CH}_3 \\ \\ (\text{CH}_3\text{CH}_2\text{O})_3\text{Si}(\text{CH}_2)_3-\text{N}^+\text{CH}_3 \text{Cl}^- \\ \\ \text{CH}_3 \end{array}$ <p>Trimethyl[3-(triethoxysilyl)-propyl]ammonium Chloride CAS RN: 84901-27-9</p>	<p>M3446 1g 5g</p> $\begin{array}{c} \text{CH}_3 \\ \\ \text{N}^+ \\ / \quad \backslash \\ \text{CH}_2 \quad \text{CH}_2 \\ \qquad \\ \text{CH}_2 \quad \text{CH}_2 \quad \text{CH}_2-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>1-Methyl-3-[3-(trimethoxysilyl)propyl]-1H-imidazol-3-ium Chloride CAS RN: 856925-70-7</p>	<h1 style="margin: 0;">アルキルシラン</h1>	
<p>C0306 25mL 100mL 500mL</p> $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{Si}-\text{Cl} \\ \\ \text{CH}_3 \end{array}$ <p>Chlorotrimethylsilane CAS RN: 75-77-4</p>	<p>M0450 25g 100g 500g</p> $\begin{array}{c} \text{Cl} \\ \\ \text{CH}_3-\text{Si}-\text{Cl} \\ \\ \text{Cl} \end{array}$ <p>Trichloro(methyl)silane CAS RN: 75-79-6</p>	<p>M0660 25mL 100mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Trimethoxy(methyl)silane CAS RN: 1185-55-3</p>		
<p>M0451 25mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxymethylsilane CAS RN: 2031-67-6</p>	<p>H1612 25mL</p> $\begin{array}{c} \text{OSi}(\text{CH}_3)_3 \\ \\ (\text{CH}_3)_3\text{SiO}-\text{Si}-\text{CH}_3 \\ \\ \text{OSi}(\text{CH}_3)_3 \end{array}$ <p>Methyltris(trimethylsiloxy)-silane CAS RN: 17928-28-8</p>	<p>D0135 5g 25g</p> $\begin{array}{c} \text{CH}_3 \\ \\ \text{Cl}-\text{Si}-\text{CH}_2\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$ <p>Dimethylethylchlorosilane CAS RN: 6917-76-6</p>	<p>T0589 5g 25g 100g</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{Cl} \\ \\ \text{CH}_2\text{CH}_3 \end{array}$ <p>Chlorotriethylsilane CAS RN: 994-30-9</p>	<p>E0188 25g</p> $\begin{array}{c} \text{Cl} \\ \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{Cl} \\ \\ \text{Cl} \end{array}$ <p>Ethyltrichlorosilane CAS RN: 115-21-9</p>
<p>E0789 25g 100g</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Ethyltrimethoxysilane CAS RN: 5314-55-6</p>	<p>E0189 25mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxyethylsilane CAS RN: 78-07-9</p>	<p>D1590 5mL 25mL</p> $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{Si}-\text{Cl} \\ \\ \text{CH}_3 \end{array}$ <p>Chlorodimethylpropylsilane CAS RN: 17477-29-1</p>	<p>P0371 25g</p> $\begin{array}{c} \text{Cl} \\ \\ \text{Cl}-\text{Si}-\text{CH}_2\text{CH}_2\text{CH}_3 \\ \\ \text{Cl} \end{array}$ <p>Trichloro(propyl)silane CAS RN: 141-57-1</p>	<p>D5568 5g 25g</p> $\begin{array}{c} \text{Cl} \\ \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{Si}-\text{CH}_3 \\ \\ \text{Cl} \end{array}$ <p>Dichloro(methyl)propylsilane CAS RN: 4518-94-9</p>
<p>T1801 25mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3(\text{CH}_2)_2-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Trimethoxy(propyl)silane CAS RN: 1067-25-0</p>	<p>T2867 25g 100g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxy(propyl)silane CAS RN: 2550-02-9</p>	<p>D1594 5mL 25mL</p> $\begin{array}{c} \text{CH}_3 \quad \text{CH}_3 \\ \diagdown \quad / \\ \text{C} \\ / \quad \backslash \\ \text{CH}_3 \quad \text{Si}-\text{Cl} \\ \\ \text{CH}_3 \end{array}$ <p>Dimethylisopropylchlorosilane CAS RN: 3634-56-8</p>	<p>D2262 1g 5g</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\ \\ \text{CH}_3-\text{CH}-\text{Si}-\text{Cl} \\ \qquad \qquad \\ \text{CH}_3 \qquad \qquad \text{CH}_2\text{CH}_3 \end{array}$ <p>Chlorodiethylisopropylsilane CAS RN: 107149-56-4</p>	<p>T1078 5mL 25mL 250mL</p> $\begin{array}{c} \text{CH}(\text{CH}_3)_2 \\ \\ (\text{CH}_3)_2\text{CH}-\text{Si}-\text{Cl} \\ \\ \text{CH}(\text{CH}_3)_2 \end{array}$ <p>Chlorotriisopropylsilane CAS RN: 13154-24-0</p>
<p>B2010 25mL</p> $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3(\text{CH}_2)_3-\text{Si}-\text{Cl} \\ \\ \text{CH}_3 \end{array}$ <p>Butylchlorodimethylsilane CAS RN: 1000-50-6</p>	<p>B6394 5g 25g</p> $\begin{array}{c} \text{OCH}_3 \\ \\ \text{CH}_3(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\ \\ \text{OCH}_3 \end{array}$ <p>Butyltrimethoxysilane CAS RN: 1067-57-8</p>	<p>B5858 5mL 25mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{CH}_3(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Butyltriethoxysilane CAS RN: 4781-99-1</p>	<p>I0452 25g</p> $\begin{array}{c} \text{CH}_3 \quad \text{Cl} \\ \qquad \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{Si}-\text{Cl} \\ \qquad \qquad \\ \qquad \qquad \text{Cl} \end{array}$ <p>Isobutyltrichlorosilane CAS RN: 18169-57-8</p>	<p>T3734 25mL</p> $\begin{array}{c} \text{CH}_3 \quad \text{OCH}_2\text{CH}_3 \\ \qquad \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\ \qquad \qquad \\ \qquad \qquad \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxy(isobutyl)silane CAS RN: 17980-47-1</p>

B0995 5g 25g 100g  <i>tert</i> -Butyldimethylchlorosilane CAS RN: 18162-48-6	C3415 5mL 25mL  Chloro(hexyl)dimethylsilane CAS RN: 3634-59-1	H0547 25mL  Trichlorohexylsilane CAS RN: 928-65-4	H0879 25mL 100mL 500mL  Hexyltrimethoxysilane CAS RN: 3069-19-0	H1158 25mL 500mL  Hexyltriethoxysilane CAS RN: 18166-37-5
C3556 5mL 25mL  Chlorotrihexylsilane CAS RN: 3634-67-1	T2116 5g  Chloro(dimethyl)thexylsilane CAS RN: 67373-56-2	C3589 5g 25g  Cyclopentyltrimethoxysilane CAS RN: 143487-47-2	C0892 5g 25g  Cyclohexyltrichlorosilane CAS RN: 98-12-4	C3608 5g 25g  Chlorocyclohexyldimethylsilane CAS RN: 71864-47-6
C2280 5g 25g  Cyclohexyltrimethoxysilane CAS RN: 17865-54-2	D1827 25mL 100mL  Dimethyl- <i>n</i> -octylchlorosilane CAS RN: 18162-84-0	O0168 25g  <i>n</i> -Octyltrichlorosilane CAS RN: 5283-66-9	M3217 5mL 25mL  Methoxy(dimethyl)- <i>n</i> -octylsilane CAS RN: 93804-29-6	D5673 25mL  Dimethoxy(methyl)- <i>n</i> -octylsilane CAS RN: 85712-15-8
T2875 25mL  Trimethoxy- <i>n</i> -octylsilane CAS RN: 3069-40-7	O0171 25mL 100mL 500mL  Triethoxy- <i>n</i> -octylsilane CAS RN: 2943-75-1	T3883 25mL 100mL  Isooctyltriethoxysilane CAS RN: 35435-21-3	C1468 25mL  Chloro(decyl)dimethylsilane CAS RN: 38051-57-9	D1486 25mL  Decyltrichlorosilane CAS RN: 13829-21-5
D5197 25mL  Decyltriethoxysilane CAS RN: 2943-73-9	C1469 25mL  Chloro(dodecyl)dimethylsilane CAS RN: 66604-31-7	D1509 25mL  Dodecyltrichlorosilane CAS RN: 4484-72-4	D3383 25g 100g 250g  Dodecyltrimethoxysilane CAS RN: 3069-21-4	D1510 10mL 25mL  Dodecyltriethoxysilane CAS RN: 18536-91-9
T3532 25g  Trichloro(hexadecyl)silane CAS RN: 5894-60-0	H1376 25g  Hexadecyltrimethoxysilane CAS RN: 16415-12-6	H1685 5mL 25mL  Hexadecyltriethoxysilane CAS RN: 16415-13-7	D1560 25mL  Dimethyloctadecylchlorosilane CAS RN: 18643-08-8	O0079 25g  Trichlorooctadecylsilane (>85.0%) CAS RN: 112-04-9
T3815 1g  Trichlorooctadecylsilane (>99.0%) CAS RN: 112-04-9	M3011 5mL 25mL  Methoxy(dimethyl)-octadecylsilane CAS RN: 71808-65-6	O0256 25mL  Octadecyltrimethoxysilane CAS RN: 3069-42-9	O0165 25g  Octadecyltriethoxysilane CAS RN: 7399-00-0	T3936 1g 5g  Bis(triethoxysilyl)methane CAS RN: 18418-72-9
B2927 5g 25g  1,2-Bis(trimethoxysilyl)ethane CAS RN: 18406-41-2	B4123 5mL  1,2-Bis(triethoxysilyl)ethane CAS RN: 16068-37-4	B5039 5g 25g  1,6-Bis(trimethoxysilyl)hexane CAS RN: 87135-01-1	B5923 5g 25g  1,6-Bis(trichlorosilyl)hexane CAS RN: 13083-94-8	B6035 1g 5g  1,6-Bis(triethoxysilyl)hexane CAS RN: 52034-16-9

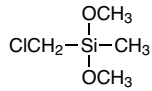
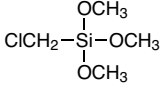
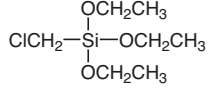
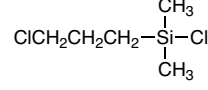
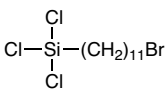
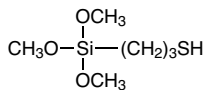
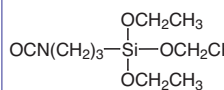
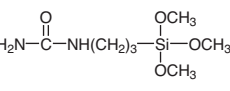
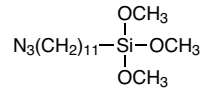
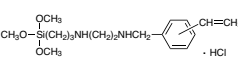
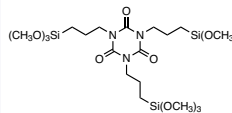
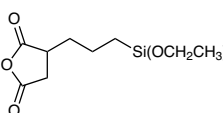
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D1147 5mL 25mL Chlorodimethylphenylsilane CAS RN: 768-33-2	P0240 25g 500g Phenyltrichlorosilane CAS RN: 98-13-5	D2319 25mL 100mL Dimethoxymethylphenylsilane CAS RN: 3027-21-2		
D3760 25g Diethoxy(methyl)phenylsilane CAS RN: 775-56-4	P0857 25mL 100mL 500mL Trimethoxyphenylsilane CAS RN: 2996-92-1	P0735 25mL 100mL 500mL Triethoxyphenylsilane CAS RN: 780-69-8	T2560 5g Trimethoxy(p-tolyl)silane CAS RN: 17873-01-7	T3185 5g 25g Trimethoxy(4-vinylphenyl)silane CAS RN: 18001-13-3
B2334 5g Benzylchlorodimethylsilane CAS RN: 1833-31-4	B3282 1g 5g 25g Benzyltriethoxysilane CAS RN: 2549-99-7	D5569 1g 5g Dichloro(methyl)-(phenethyl)silane CAS RN: 772-65-6	T2852 25g Trichloro(phenylethyl)silane (mixture of isomers)	T3542 25g 100g Trimethoxy(phenylethyl)silane (mixture of 1-phenylethyl- and 2-phenylethyl-) CAS RN: 49539-88-0
C1488 5mL 25mL Chlorodimethyl(3-phenylpropyl)silane CAS RN: 17146-09-7	T2853 5g 25g Trichloro(3-phenylpropyl)silane CAS RN: 13617-40-8	T2854 5g 25g Trichloro(6-phenylhexyl)silane CAS RN: 18035-33-1	T3292 1g 5g Trimethoxy(1-naphthyl)silane CAS RN: 18052-76-1	

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D4729 5g 25g (3,3,3-Trifluoropropyl)-methylchlorosilane CAS RN: 675-62-7	D5328 5g 25g Dimethoxy(methyl)-(3,3,3-trifluoropropyl)silane CAS RN: 358-67-8	T3518 25g Trichloro(3,3,3-trifluoropropyl)silane CAS RN: 592-09-6		
T2720 5g 25g Trimethoxy(3,3,3-trifluoropropyl)silane CAS RN: 429-60-7	T2918 5g 25g Trimethoxy(1H,1H,2H,2H-nonafluorohexyl)silane CAS RN: 85877-79-8	T2860 5g 25g Triethoxy(1H,1H,2H,2H-nonafluorohexyl)silane CAS RN: 102390-98-7	C1857 1g 5g Chlorodimethyl-(3,3,3,4,4,5,5,6,6,7,7,8,8-tridecafluoro-n-octyl)silane CAS RN: 102488-47-1	T2577 5g 25g Trichloro(1H,1H,2H,2H-tridecafluoro-n-octyl)silane CAS RN: 78560-45-9
T3560 5g 25g Trimethoxy(1H,1H,2H,2H-perfluoro-n-octyl)silane CAS RN: 85857-16-5	T1770 5g 25g Triethoxy-1H,1H,2H,2H-tridecafluoro-n-octylsilane CAS RN: 51851-37-7	T3246 1g 5g Triethoxy[5,5,6,6,7,7,7-heptafluoro-4,4-bis(trifluoromethyl)heptyl]silane CAS RN: 130676-81-2	P0854 1mL 5mL Pentafluorophenyldimethylchlorosilane CAS RN: 20082-71-7	P1242 1g Pentafluorophenylethoxydimethylsilane CAS RN: 71338-73-3
T3352 1g 5g Trimethoxy-(pentafluorophenyl)silane CAS RN: 223668-64-2	T3134 1g 5g Triethoxy-(pentafluorophenyl)silane CAS RN: 20083-34-5	C2700 5g Chlorodimethyl[3-(2,3,4,5,6-pentafluorophenyl)propyl]silane CAS RN: 157499-19-9	T3030 1g 5g Trichloro[3-(pentafluorophenyl)propyl]silane CAS RN: 78900-02-4	

その他のシラン

		C0605 25g 250g  Chloro(chloromethyl)-dimethylsilane CAS RN: 1719-57-9	C3256 1g 5g  (Chloromethyl)-dimethoxy(methyl)silane CAS RN: 2212-11-5	C3257 5g 25g  (Chloromethyl)-diethoxy(methyl)silane CAS RN: 2212-10-4
C3073 5g 25g  (Chloromethyl)trimethoxysilane CAS RN: 5926-26-1	C1402 10g 25g  (Chloromethyl)triethoxysilane CAS RN: 15267-95-5	C0844 25g  3-Chloropropyl-trichlorosilane CAS RN: 2550-06-3	C1168 5g 25g  3-Chloropropyldimethoxy-methylsilane CAS RN: 18171-19-2	C3426 1mL 5mL  Chloro(3-chloropropyl)-dimethylsilane CAS RN: 10605-40-0
C3092 5mL 25mL  (3-Chloropropyl)-diethoxy(methyl)silane CAS RN: 13501-76-3	C0840 25mL 100mL 500mL  3-Chloropropyltrimethoxysilane CAS RN: 2530-87-2	T1253 25mL 100mL 500mL  3-Chloropropyl-triethoxysilane CAS RN: 5089-70-3	B0847 5g 25g  (Bromomethyl)chloro-dimethylsilane CAS RN: 16532-02-8	B5679 5g  (3-Bromopropyl)-trichlorosilane CAS RN: 13883-39-1
B5680 1g  (11-Bromoundecyl)-trichlorosilane CAS RN: 79769-48-5	I1106 5g 25g  (3-Iodopropyl)-trimethoxysilane CAS RN: 14867-28-8	C1207 5mL 25mL  (3-Cyanopropyl)dimethyl-chlorosilane CAS RN: 18156-15-5	C1259 25mL 250mL  2-Cyanoethyltriethoxysilane CAS RN: 919-31-3	M1323 25mL  3-Mercaptopropyl(dimethoxy)-methylsilane CAS RN: 31001-77-1
M0928 25mL 100mL 500mL  (3-Mercaptopropyl)-trimethoxysilane CAS RN: 4420-74-0	M1505 25g 100g 500g  (3-Mercaptopropyl)-triethoxysilane CAS RN: 14814-09-6	T3982 5g  Triethoxy(3-thiocyanatopropyl)silane CAS RN: 34708-08-2	T2044 25g 100g  (3-Isocyanatopropyl)-triethoxysilane CAS RN: 15396-00-6	I0556 25g 100g  (3-Isocyanatopropyl)-triethoxysilane CAS RN: 24801-88-5
T1915 25g 250g  (3-Ureidopropyl)-trimethoxysilane CAS RN: 23843-64-3	U0048 25mL  3-Ureidopropyltriethoxysilane (40-52% in Methanol) CAS RN: 23779-32-0	A2783 100mg  (11-Azidoundecyl)-trimethoxysilane CAS RN: 334521-23-2	P2258 1g 5g  2-Propynyl [3-(Triethoxysilyl)-propyl]carbamate CAS RN: 870987-68-1	E0327 25mL 500mL  2-(3,4-Epoxy)cyclohexyl-ethyltrimethoxysilane CAS RN: 3388-04-3
V0050 25mL  N-[2-(N-Vinylbenzylamino)ethyl]-3-aminopropyltrimethoxysilane Hydrochloride (30-40% in Methanol) CAS RN: 34937-00-3	I0602 5g 25g  Tris[3-(trimethoxysilyl)propyl] Isocyanurate CAS RN: 26115-70-8	T3817 5g 25g  [(3-Triethoxysilyl)propyl]-succinic Anhydride CAS RN: 93642-68-3	T3844 1g 5g  3-(Trichlorosilyl)propyl 2-Bromo-2-methylpropanoate CAS RN: 688359-84-4	T3845 1g  3-(Trimethoxysilyl)propyl 2-Bromo-2-methylpropanoate CAS RN: 314021-97-1
T3846 1g  3-(Triethoxysilyl)propyl 2-Bromo-2-methylpropanoate CAS RN: 880339-31-1	B5594 1g 5g  3-[Bis(diphenylphosphino)methyl]amino]propyl-triethoxysilane CAS RN: 904704-23-0			

東京化成工業株式会社

試薬製品について

■本社営業部 〒103-0001 東京都中央区日本橋小伝馬町 16-12 T-PLUS 日本橋小伝馬町8階
Tel: 03-3668-0489 Fax: 03-3668-0520 E-mail: Sales-JP@TCIchemicals.com

■大阪営業部 〒541-0041 大阪府大阪市中央区北浜1-1-21 第2中井ビル1階
Tel: 06-6228-1155 Fax: 06-6228-1158 E-mail: osaka-s@TCIchemicals.com

スケールアップ、受託サービス(合成・開発・製造)について

□化成品営業部 〒103-0001 東京都中央区日本橋小伝馬町 16-12 T-PLUS 日本橋小伝馬町8階
Tel: 03-5651-5171 Fax: 03-5640-8021 E-mail: finechemicals@TCIchemicals.com

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