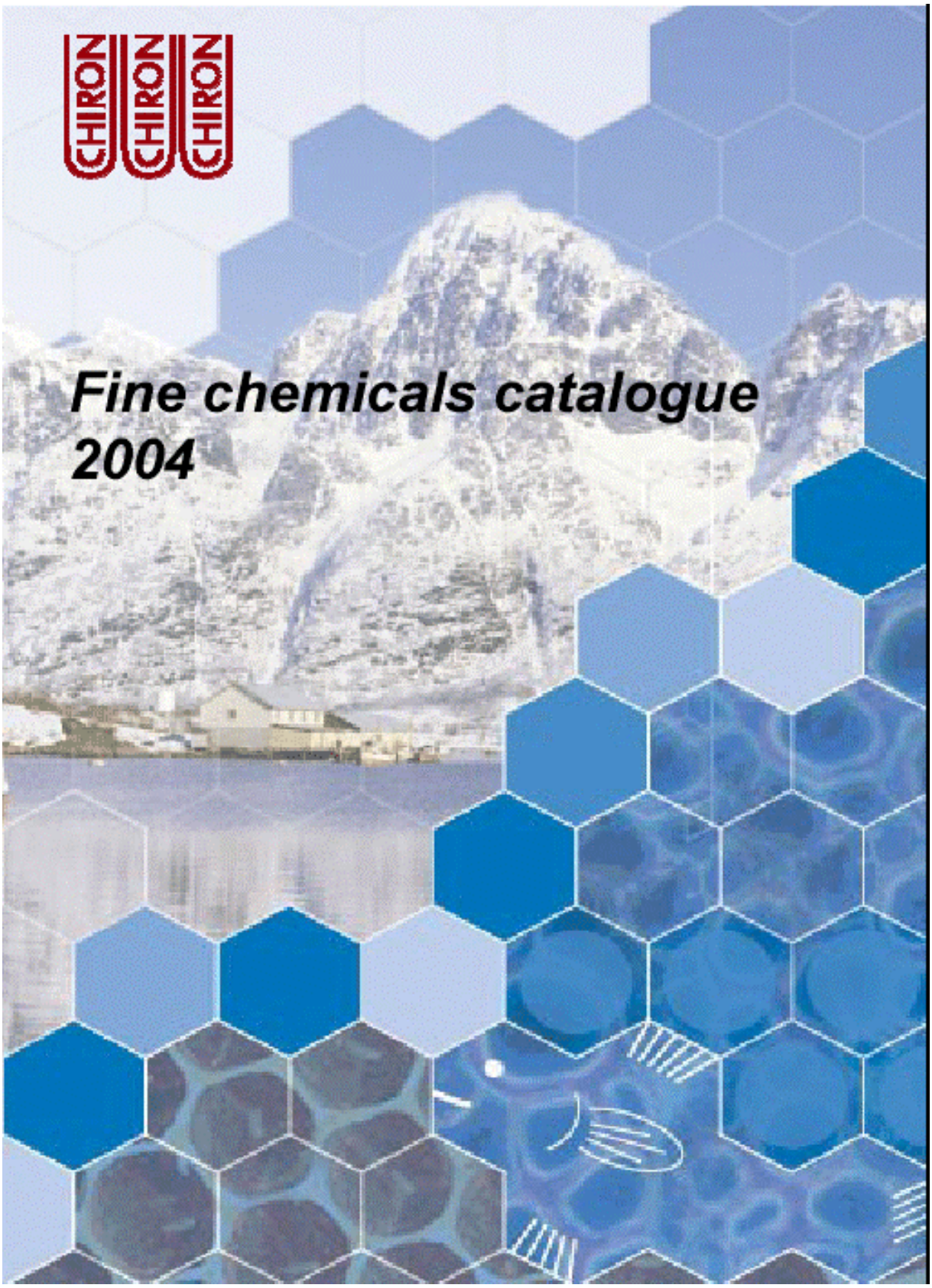
CHIRON
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CHIRON
Fine chemicals catalogue
2004

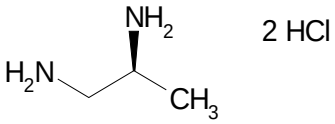
Fine Chemicals Catalogue 2004

Chiral Compounds

F-7000 **(S)-(-)-1,2-Diaminopropane dihydrochloride**
[19777-66-3]

$C_3H_{10}N_2$ M.W: 74,13

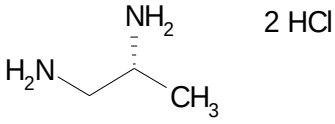
Quantity: Bulk



F-7001 **(R)-(+)-1,2-Diaminopropane dihydrochloride**
[19777-67-4]

$C_3H_{10}N_2$ M.W: 74,13

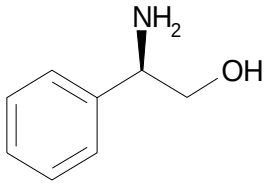
Quantity: Pilot



F-7002 **(R)-(-)-2-Phenylglycinol**
[56613-80-0]

$C_8H_{11}NO$ M.W: 137,18

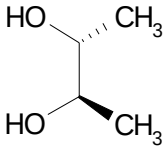
Quantity: Pilot



F-7003 **(2R,3R)-(-)-2,3-Butanediol**
[24347-58-8]

$C_4H_{10}O_2$ M.W: 90,12

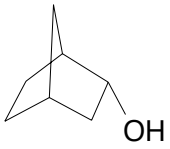
Quantity: Pilot



F-7004 **(1S,2R,4R)-(+)-endo-Norborneol**
[61277-90-5]

$C_7H_{12}O$ M.W: 112,17

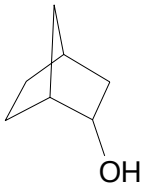
Quantity: Development



F-7005 **(1R,2S,4S)-(-)-endo-Norborneol**
[36779-79-0]

$C_7H_{12}O$ M.W: 112,17

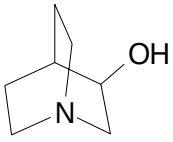
Quantity: Development



F-7006 **(R)-(-)-3-Quinuclidinol**
[25333-42-0]

$C_7H_{13}NO$ M.W: 127,19

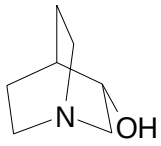
Quantity: Bulk



F-7007 **(S)-(+)-3-Quinuclidinol**
[34583-34-1]

$C_7H_{13}NO$ M.W: 127,19

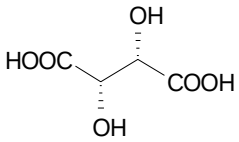
Quantity: Research quantities



F-7011 **D-(-)-Tartaric acid**
[147-71-7]

$C_4H_6O_6$ M.W: 150,09

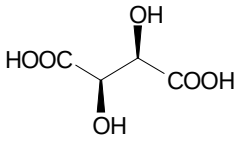
Quanitity: Bulk



F-7012 **L-(+)-Tartaric acid**
[87-69-4]

$C_4H_6O_6$ M.W: 150,09

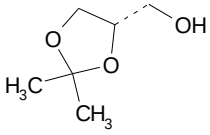
Quantity: Bulk



F-7014 **R-(-)-2,2-Dimethyl-1,3-dioxolan-4-methanol**

$C_6H_{12}O_3$ M.W: 132,16

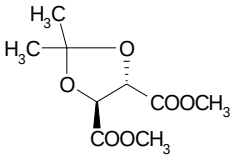
Quantity: Pilot



F-7015 **(+)-Dimethyl-2,3-O-isopropylidene-D-tartrate**

$C_9H_{14}O_6$ M.W: 218,21

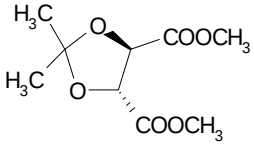
Quantity: Pilot



F-7016 **(-)-Dimethyl-2,3-O-isopropylidene-L-tartrate**
[37031-29-1]

$C_9H_{14}O_6$ M.W: 218,21

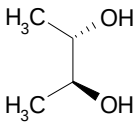
Quantity: Pilot



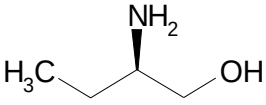
F-7020 **(2S, 3S)-(+)-2,3-Butanediol**

$C_4H_{10}O_2$ M.W: 90,12

Quantity: Research quantities



F-7026 **(R)-(-)-2-Aminobutanol**

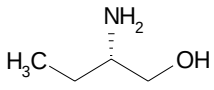


[5856-63-3]

$C_4H_{11}NO$ M.W: 89,14

Quantity: Pilot

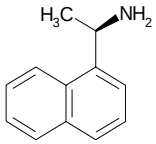
F-7027 **(S)-(+)-2-Amino-1-butanol**
[5856-62-2]



$C_4H_{11}NO$ M.W: 89,14

Quantity. Pilot

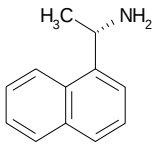
F-7042 **(R)-(+)-1-(1-Naphthyl)ethylamine**
[3886-70-2]



$C_{12}H_{13}N$ M.W: 171,24

Quantity: Research quantities

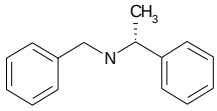
F-7043 **(S)-(-)-1-(1-Naphthyl)ethylamine**
[10420-89-0]



$C_{12}H_{13}N$ M.W: 171,24

Quantity: Research quantities

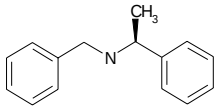
F-7046 **(R)-(+)-N-Benzyl-1-phenylethylamine**
[38235-77-7]



$C_{15}H_{17}N$ M.W: 211,31

Quantity: Research quantities

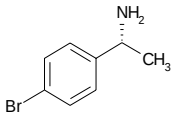
F-7047 **(S)-(-)-N-Benzyl-1-phenylethylamine**



$C_{15}H_{17}N$ M.W: 211,31

Quantity: Research quantities

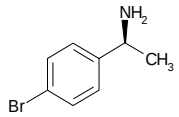
F-7048 **(R)-(+)-1-(4-Bromophenyl)-ethylamine**



$C_8H_{10}BrN$ M.W: 200,08

Quantity: Research quantities

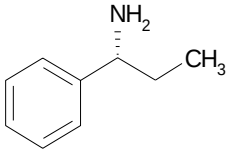
F-7049 **(S)-(-)-1-(4-Bromophenyl)-ethylamine**



$C_8H_{10}BrN$ M.W: 200,08

Quantity: Research quantities

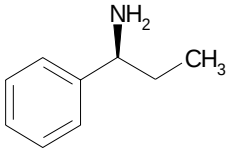
F-7062 **(R)-(+)-1-Phenylpropylamine**
[3082-64-2]



$C_9H_{13}N$ M.W: 135,21

Quantity: Development

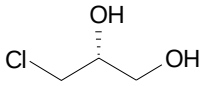
F-7063 **(S)-(-)-1-Phenylpropylamine**
[3789-59-1]



$C_9H_{13}N$ M.W: 135,21

Quantity: Development

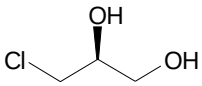
F-7064 **(R)-3-Chloro-1,2-propanediol**
[57090-45-6]



$C_3H_7ClO_2$ M.W: 110,54

Quantity: Development
(please require)

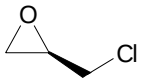
F-7065 **(S)-3-Chloro-1,2-propanediol**
[60827-45-4]



$C_3H_7ClO_2$ M.W: 110,54

Quantity: Development
(please require)

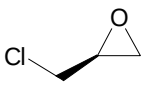
F-7066 **(R)-Epichlorohydrin**
[51594-55-9]



C_3H_5ClO M.W: 92,53

Quantity: Bulk

F-7067 **(S)-Epichlorohydrin**
[67843-74-7]



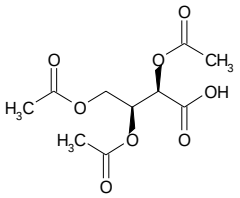
C_3H_5ClO M.W: 92,53

Quantity: Bulk

F-7082 **Tri-O-acetyl-L-threonate**

$C_{10}H_{14}O_8$ M.W: 262,22

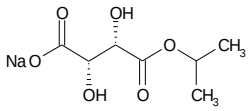
Quantity: Bulk



F-7083 **Sodium monoisopropyl-D-tartrate**

$C_7H_{11}NaO_6$ M.W: 214,15

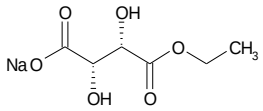
Quantity: Pilot



F-7084 **Sodium monoethyl-D-tartrate**

$C_6H_9NaO_6$ M.W: 200,12

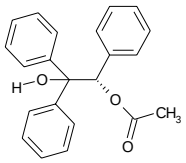
Quantity: Pilot



F-7086 **(S)-(-)-2-Hydroxy-1,2,2-triphenylethyl acetate**
[95061-51-1]

$C_{22}H_{20}O_3$ M.W: 332,40

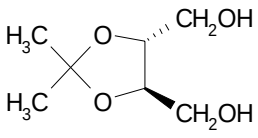
Quantity: Pilot



F-7087 **(-)-2,3-O-Isopropylidene-D-threitol**
[73346-74-7]

$C_7H_{14}O_2$ M.W: 130,19

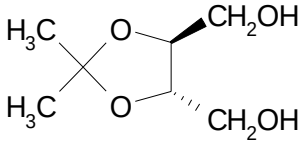
Quantity: Research quantities



F-7088 **(+)-2,3-O-Isopropylidene-L-threitol**
[50622-09-8]

$C_7H_{14}O_2$ M.W: 130,19

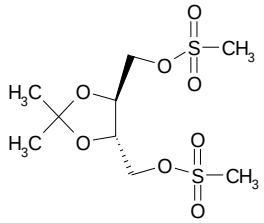
Quantity: Research quantities



F-7089 **(-)-2,3-O-Isopropylidene-L-threitol 2,3-dimethane sulfonate**
[4248-74-2]

$C_9H_{18}O_8S_2$ M.W: 318,37

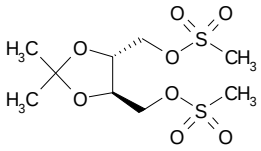
Quantity: Research quantities



F-7090 **(+)-2,3-O-Isopropylidene-D-threitol 2,3-dimethane sulfonate**
[109281-59-6]

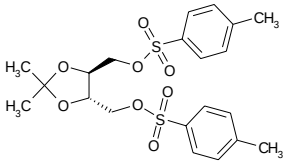
$C_7H_{14}O_8S_2$ M.W: 290,31

Quantity: Research quantities



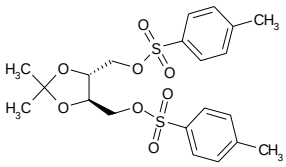
F-7114 **(S,S)-(-)-2,3-Isopropylidene-L-treitol 1,4-tosylate**
[37002-45-2]
$C_{21}H_{26}O_8S_2$ M.W: 470,56

Quantity: Development



F-7115 **(R,R)-(+)-2,3-Isopropyliden-L-threitol 1,4-ditosylate**
[51064-65-4]
$C_{21}H_{26}O_8S_2$ M.W: 470,56

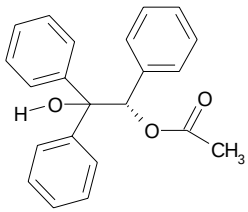
Quantity: Development



F-7127 **R-Hytra**
[95016-47-5]

$C_{22}H_{20}O_3$ M.W: 332,40

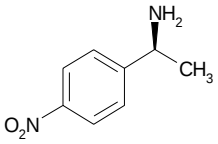
Quantity: Pilot



F-7128 **S-o-Nitro-a-methylbenzylamine**
[4187-53-5]

$C_8H_{10}N_2O_2$ M.W: 166,18

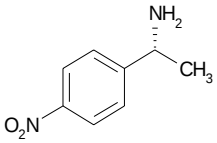
Quantity: Pilot



F-7129 **R-p-Nitro-a-methylbenzylamine**
[22038-87-5]

$C_8H_{10}N_2O_2$ M.W: 166,18

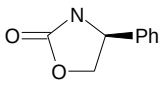
Quantity: Pilot



F-7131 **(S)-(+)-4-Phenyl-2-oxazlidinone**

$C_9H_9NO_2$ M.W: 163,18

Quantity: Pilot

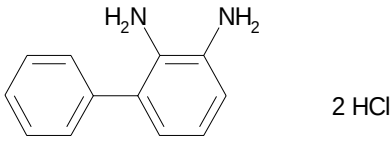


Miscellaneous Achiral Compounds

F-7008 **2,3-Diaminobiphenyl dihydrochloride**

$C_{12}H_{14}N_2Cl$ M.W: 221,71

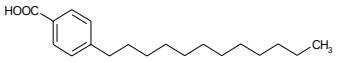
Quantity: Research quantities



F-7017 **p-(n-Dodecyl)benzoic acid**

$C_{19}H_{30}O_2$ M.W: 290,45

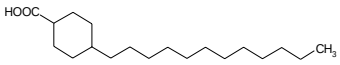
Quantity: Research quantities



F-7023 **4-n-Dodecylcyclohexanecarboxylic acid**

$C_{19}H_{36}O_2$ M.W: 296,50

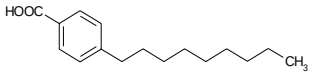
Quantity: Research quantities



F-7117 **P-(n-Nonyl)benzoic acid**

$C_{16}H_{24}O_2$ M.W: 248,37

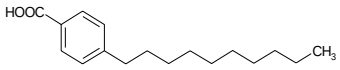
Quantity: Research quantities



F-7118 **P-(n-Decyl)benzoic acid**

$C_{17}H_{26}O_2$ M.W: 262,40

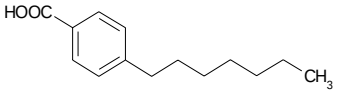
Quantity: Research quantities



F-7119 **P-(n-Heptyl)benzoic acid**

$C_{14}H_{20}O_2$ M.W: 220,31

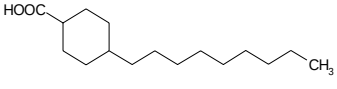
Quantity: Research quantities



F-7120 **4-n-Nonylcyclohexanecarboxylic acid**

$C_{16}H_{30}O_2$ M.W: 254,42

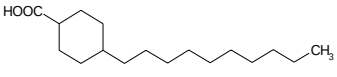
Quantity: Research quantities



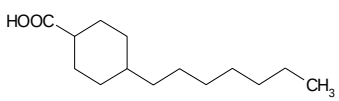
F-7121 **4-n-Decylcyclohexanecarboxylic acid**

$C_{17}H_{32}O_2$ M.W: 268,44

Quantity: Research quantities



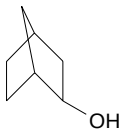
F-7122 **4-n-Heptylcyclohexanecarboxylic acid**



$C_{14}H_{26}O_2$ M.W: 226,36

Quantity: Research quantities

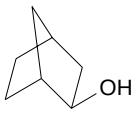
F-7123 **endo-(±)-2-Norbornanol**
[497-36-9]



$C_7H_{12}O$ M.W: 112,17

Quantity: Research quantities

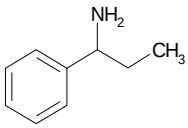
F-7124 **exo-(±)-2-Norbornanol**
[497-37-0]



$C_7H_{12}O$ M.W: 112,17

Quantity: Research quantities

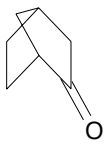
F-7125 **1-Phenylpropylamine**
[2941-20-0]



$C_9H_{13}N$ M.W: 135,21

Quantity: Pilot

F-7126 **(±)-2-Norbornanone**
[497-38-1]



$C_7H_{10}O$ M.W: 110,16

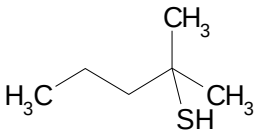
Quantity: Pilot

Sulphur compounds

0087,6 **2-Methyl-2-pentanethiol** (99%)
[1633-97-2]

C_6H_{14S} M.W: 118,24

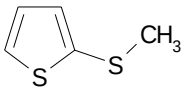
Quantity: Research quantities



0367,5 **2-(Methylthio)thiophene** (97%)
[5780-36-9]

C_5H_{6S2} M.W: 130,23

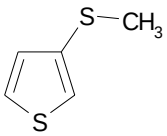
Quantity: Research quantities



0368,5 **3-(Methylthio)thiophene**
[20731-74-2]

C_5H_{6S2} M.W: 130,23

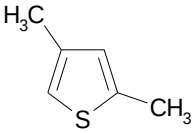
Quantity: Research quantities



0358,6 **2,4-Dimethylthiophene**
[638-00-6]

C_6H_8S M.W: 112,19

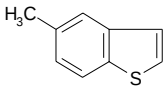
Quantity: Research quantities



0356,9 **5-Methylbenzothiophene** (99%)
[14315-14-1]

C_9H_8S M.W: 148,23

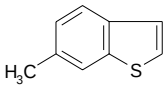
Quantity: Research quantities



0199,9 **6-Methylbenzothiophene** (97%)
[16587-47-6]

C_9H_8S M.W: 148,23

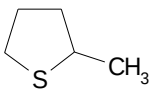
Quantity: Research quantities



1334,5 **2-Methyltetrahydrothiophene**
[1795-09-1]

C_5H_{10S} M.W: 102,20

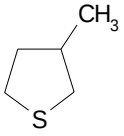
Quantity: Research quantities



1009,5 **3-Methyltetrahydrothiophene** (99%)

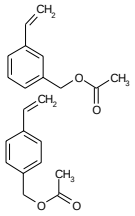
C_5H_{10S} M.W: 102,20

Quantity: Research quantities



Vinyl Monomers

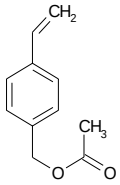
F-7091, M-001 **4-Vinylbenzyl acetate/3-Vinylbenzyl acetate**



$C_{11}H_{12}O_2$ M.W: 88,11

Quantity: Development

F-7092, M-001 **4-Vinylbenzyl acetate**
[1592-12-7]

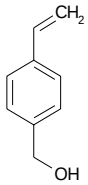


$C_{11}H_{12}O_2$ M.W: 176,22

Quantity: Development

A vinyl benzene monomer with blocked hydroxyl group for instances where a free hydroxyl group is unfavourable during the polymerisation step. After polymerisation the protecting group may be removed under slightly aqueous alkaline conditions to recover the free hydroxyl group.

F-7093, M-002 **4-Vinylbenzyl alcohol**
[1074-16-9]

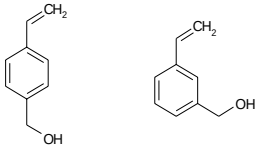


$C_9H_{10}O$ M.W: 134,18

Quantity: Development

A vinyl benzene monomer for preparation of polystyrene materials with hydroxyl groups giving a slightly hydrophilic surface.

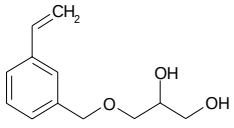
F-7094, M-002 **3-Vinylbenzyl alcohol/4-Vinylbenzyl alcohol**
[45804-92-2/1074-61-9]



$C_9H_{10}O_1$ M.W: 134,18

Quantity: Development

F-7095, M-004 **3-[(4-Ethenylphenyl)methoxy]-1,2-propanediol**
[149305-62-4]

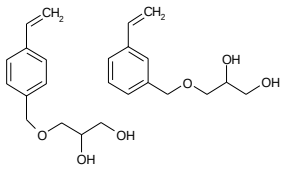


$C_{12}H_{16}O_3$ M.W: 208,26

Quantity: Development

A suitable vinyl benzene monomer for preparation of polystyrene materials with hydroxyl groups that are useful for coupling reactions or other chemical modifications at the polymer surface. Due to the hydroxyl groups a fairly hydrophilic surface will also be obtained.

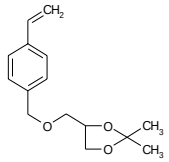
F-7096, M-004 **3-(Ethenylphenyl)methoxy-1,2-propanediol**
Mix of m-and p-isomers



$C_{12}H_{16}O_3$ M.W: 208,26

Quantity: Development

F-7097, M-003 **alpha beta-Isopropylideneglycol 4-vinylbenzylether**

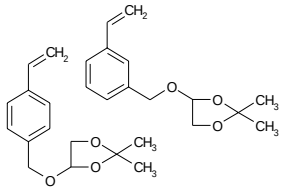


$C_{15}H_{20}O_3$ M.W: 248,32

Quantity: Development

A vinyl benzene monomer with blocked hydroxyl groups for instances where free hydroxyl groups are unfavourable during the polymerisation step. After polymerisation the protecting group may be removed under slightly aqueous acidic conditions to recover the free hydroxyl groups.

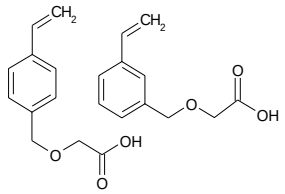
F-7098, M-003 **alpha beta-Isopropylideneglycol vinylbenzylether**



$C_{14}H_{18}O_3$ M.W: 234,30

Quantity: Development

F-7099, M-005 **2-(Ethenylphenyl)methoxyacetic acid**
mixture of m- and p-isomers

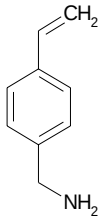


$C_{11}H_{12}O_3$ M.W: 192,22

Quantity: Development

A vinyl benzene monomer for preparation of weak cation exchange polystyrene resins. Carboxylic acid groups are also useful for several coupling reactions.

F-7100, M-006 **(4-Vinylbenzyl) amine**
[50325-49-0]

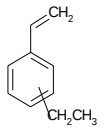


$C_9H_{11}N$ M.W: 133,19

Quantity: Development

A vinyl benzene monomer for preparation of polystyrene resins for solid phase peptide synthesis. The primary amino group is also useful for several coupling reactions or chemical modifications at the polymer surface.
A.R. Mitchell, et al., *Tetrahedron Letters* No 42, 3795-3798 (1976)

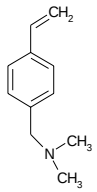
F-7101, M-006 **(Vinylbenzyl) amine, mix of m- and p-isomer**



C_9H_{12} M.W: 120,20

Quantity: Development

F-7102, M-007 **N-(4-Vinylbenzyl)-N,N- dimethyl amine**
[2245-52-5]

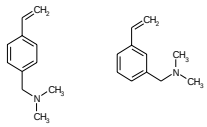


$C_{11}H_{15}N$ M.W: 161,25

Quantity: Development

A vinyl benzene monomer for preparation of weak anion exchange polystyrene resins.

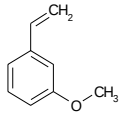
F-7103, M-007 **N-(Vinylbenzyl)-N,N- dimethyl amine**
mixture of m- and p-isomers



$C_{11}H_{15}N_1$ M.W: 161,25

Quantity: Development

F-7104, M-008 **3-Vinylanisole**
[626-20-0]

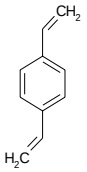


$C_9H_{10}O$ M.W: 134,18

Quantity: Development

This vinyl benzene monomer gives a polystyrene polymer where chemical modifications of the polymer surface by aromatic substitution reactions on the benzene ring is facilitated due to the activating effect of the methoxy group.

F-7105, M-009 **1,4-Divinylbenzene**
[105-06-6]

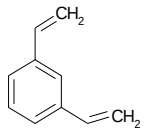


$C_{10}H_{10}$ M.W: 130,19

Quantity: Development

Pure isomer for preparation of polystyrene type resin with a high degree of cross-linking. The pure isomer is also especially useful for detailed studies of macro porous polymer resin formation. A. Matsumoto, et al., *Macromolecules*, **32**, 8336-8339 (1999), A.K. Nyhus, et al. *J. Pol. Sci.: Part A: Polym. Chem*., **38**, 1366-1378 (2000)

F-7106, M-010 **1,3-Divinylbenzene**
[108-57-6]

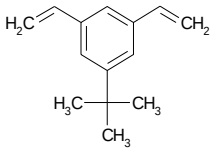


$C_{10}H_{10}$ M.W: 130,19

Quantity: Development

Pure isomer for preparation of polystyrene type resin with a high degree of cross-linking. The pure isomer is also especially useful for detailed studies of macro porous polymer resin formation., A. Matsumoto, et al., *Macromolecules*, **32**, 8336-8339 (1999), A.K. Nyhus, et al. *J. Pol. Sci.: Part A: Polym. Chem*., **38**, 1366-1378 (2000)

F-7107, M-011 **5-1,1-(Dimethylethyl)-1,3-divinylbenzene**

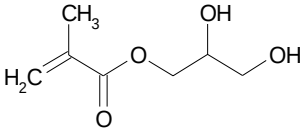


$C_{14}H_{18}$ M.W: 186,30

Quantity: Development

A divinylbenzene type cross-linker for preparation of polymer surfaces with an enhanced hydrophobicity compared to polymers cross-linked with pure divinylbenzene.

F-7108, M-012 **2,3-Dihydroxypropyl methacrylate**
[5919-74-4]

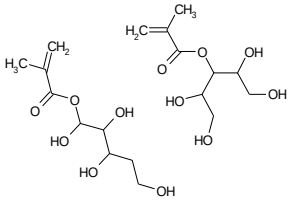


$C_7H_{12}O_4$ M.W: 160,17

Quantity: Development

A methacrylate monomer for preparation of hydrophilic polymer materials with a high content of hydroxyl groups useful for coupling reactions or other chemical modifications at the surface. Together with a proper cross-linker the monomer will give hydrophilic macro porous polymer resins or with a low degree of cross-linker hydrogels may also be formed.

F-7109, M-013 **Xylitol 1-methacrylate and Xylitol 3-metacrylate**

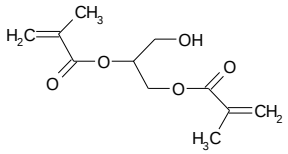


$C_{18}H_{32}O_{12}$ M.W: 440,45

Quantity: Development

A methacrylate monomer for preparation of especially hydrophilic polymer materials with a very high content of hydroxyl groups useful for coupling reactions or other chemical modifications at the surface. Together with a proper cross-linker the monomer will give very hydrophilic macro porous polymer resins or with a low degree of cross-linker hydrogels may also be formed.

F-7110, M-014 **Glycerol 1,2-dimethacrylate**
[101525-90-0]

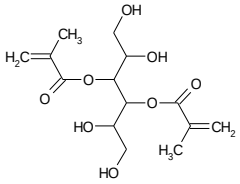


$C_{11}H_{16}O_5$ M.W: 228,25

Quantity: Development

A hydrophilic crosslinker for preparation of highly crosslinked polymer resins with a high content of primary hydroxyl groups giving a hydrophilic surface. The hydroxyl groups are useful for coupling reactions or other chemical modifications of the surface. Together with appropriate vinyl monomers the crosslinker is also useful for synthesis of hydrogels.

F-7111, M-015 **D-Sorbitol 3,4-dimethyacrylate**

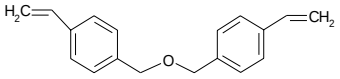


$C_{14}H_{22}O_8$ M.W: 318,33

Quantity: Development

An especially hydrophilic crosslinker for preparation of highly crosslinked polymer resins with a very high content of hydroxyl groups giving an exceptionally hydrophilic surface. The hydroxyl groups are useful for coupling reactions or other chemical modifications of the surface. Together with appropriate vinyl monomers the crosslinker is also useful for synthesis of hydrogels.

F-7112, M-016 **Di-(4-vinylbenzyl) ether**
[115444-35-4]

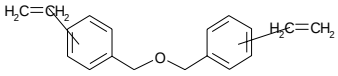


$C_{18}H_{18}O$ M.W: 250,34

Quantity: Development

An alternative crosslinker to divinylbenzene for preparation of macroporous polystyrene resins. Compared to macroporous polystyrene resins prepared with divinylbenzene this crosslinker gives a more homogenous structure and less unreacted vinyl groups. M.J. Sundell, et al., *Polym. Prepr. Am. Chem. Soc., Div. Polym. Chem.*, **34**, 546 (1993)

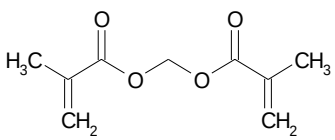
F-7113, M016 **(Di-(vinylbenzyl) ether, mixture of isomers**



$C_{18}H_{22}O$ M.W: 254,38

Quantity: Development

F-7130, M-017 **Methyl dimethacrylate**
[4245-38-9]



$C_9H_{12}O4$ M.W: 184,19

Quantity: Development

A useful cross-linking agent for preparation of biodegradable polymer structures. The methylene diester unit is easily hydrolysed by common esterase enzymes.

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