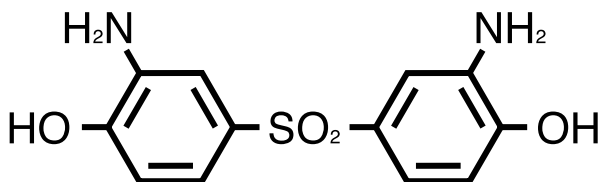


## NO. L-19

## Formula



M.W. 280.3  
 $C_{12}H_{12}N_2O_4S$

**Abbreviation** BS-DA

**Name** 3,3'-Diamino-4,4'-dihydroxy diphenyl sulfone

**ENCS**

Registry NO. —

**CAS**

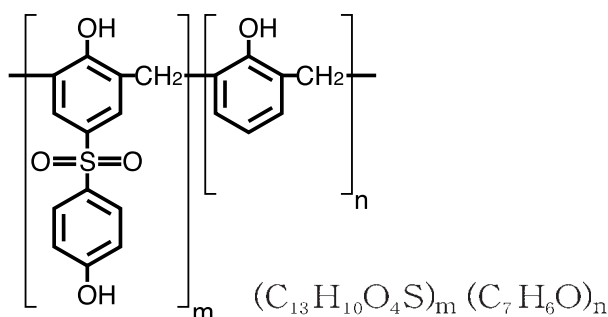
Registry NO. 7545-50-8

**Uses**

Intermediate for dyestuff  
 Intermediate for epoxy resin

## NO. L-20

## Formula



**Abbreviation** BS-PR

**Name** Bisphenol-S/Phenol resin

**ENCS**

Registry NO. —

**CAS**

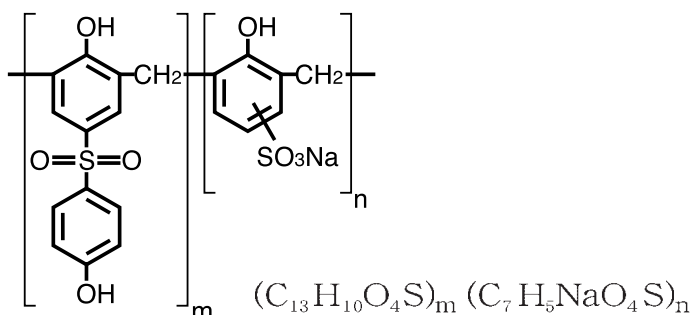
Registry NO. 77810-18-5

**Uses**

Waterproof and oilproof treatment for assistant agent

## NO. L-21

## Formula



**Abbreviation** BS-PSR

**Name** Bisphenol-S/Phenolsulfonic acid resin

**ENCS**

Registry NO. 9-2533

**CAS**

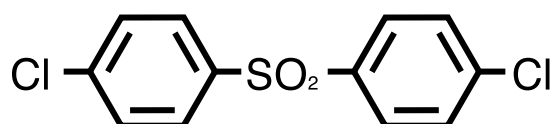
Registry NO. 71832-81-0

**Uses**

Nylon fixing agent  
 Paper fixing agent  
 Cationic substance binder for fiber (polyester, cellulose)

## NO. L-22

## Formula



M.W. 287.2  
 $C_{12}H_8Cl_2O_2S$

**Abbreviation** DCS

**Name** 4,4'-Dichloro diphenyl sulfone

**ENCS**

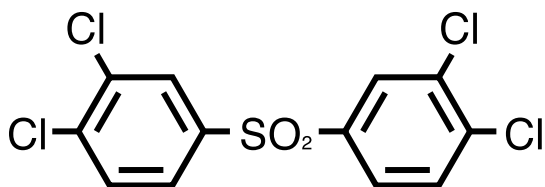
Registry NO. 3-2160

**CAS**

Registry NO. 80-07-9

**Uses**

Intermediate for polyethersulfone resin  
 Intermediate for organic synthesis (pharmaceuticals, dyestuff, curing agent etc.)

No. **L-23****Formula**

M.W. 356.1  
 $C_{12}H_6Cl_4O_2S$

**Abbreviation** TCS

**Name** 3,3',4,4'-Tetrachloro diphenyl sulfone

**ENCS**

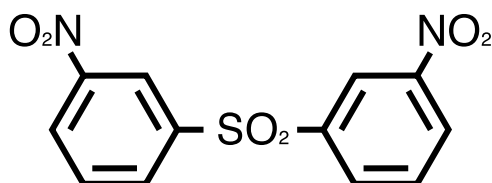
Registry NO. 3-61

**CAS**

Registry NO. 22588-79-0

**Uses**

Intermediate for fire-resistant polymers  
 Anionic initiator for polymerizing  
 lactams

No. **L-24****Formula**

M.W. 308.3  
 $C_{12}H_8N_2O_6S$

**Abbreviation** DNS

**Name** 3,3'-Dinitro diphenyl sulfone

**ENCS**

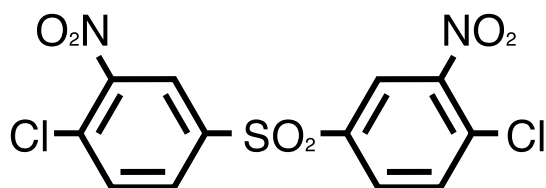
Registry NO. 3-2166

**CAS**

Registry NO. 1228-53-1

**Uses**

Intermediate for organic synthesis

No. **L-25****Formula**

M.W. 377.2  
 $C_{12}H_6Cl_2N_2O_6S$

**Abbreviation** DNDCS

**Name** 3,3'-Dinitro-4,4'-dichloro diphenyl sulfone

**ENCS**

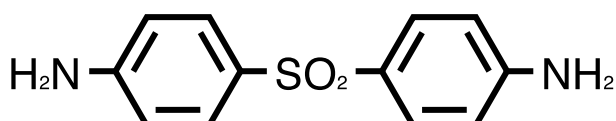
Registry NO. 3-2168

**CAS**

Registry NO. 1759-05-3

**Uses**

Intermediate for pharmaceuticals  
 Dyeing assistant  
 Intermediate for dyestuff

No. **L-26****Formula**

M.W. 248.3  
 $C_{12}H_{12}N_2O_2S$

**Abbreviation** 4DAS

**Name** 4,4'-Diamino diphenyl sulfone

**ENCS**

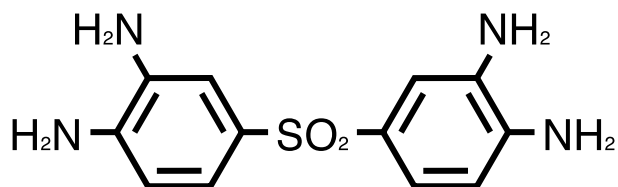
Registry NO. 3-2163

**CAS**

Registry NO. 80-08-0

**Uses**

Intermediate for polyimide  
 Intermediate for pharmaceuticals  
 Curing agent for heat-resistant epoxy resin

NO. **L-27****Formula**

M.W. 278.3  
 $C_{12}H_{14}N_4O_2S$

**Abbreviation**

TAS

**Name**

3,3',4,4'-Tetraamino diphenyl sulfone

**ENCS**

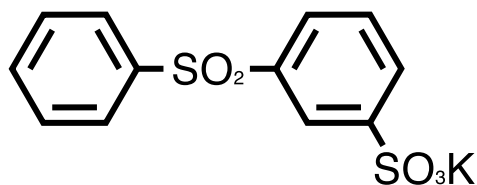
Registry NO. —

**CAS**

Registry NO. 13224-79-8

**Uses**

Intermediate for polyimidazol  
 Curing agent for epoxy resin

NO. **L-28****Formula**

M.W. 336.4  
 $C_{12}H_9KO_5S_2$

**Abbreviation**

DSSK

**Name**

Diphenyl sulfone-3-sulfonic acid potassium salt

**ENCS**

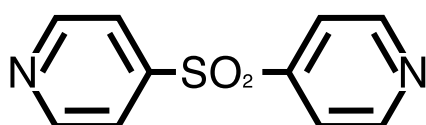
Registry NO. 3-4126

**CAS**

Registry NO. 63316-43-8

**Uses**

Fire retardant for polycarbonate resin

NO. **L-29****Formula**

M.W. 220.2  
 $C_{10}H_8N_2O_2S$

**Abbreviation**

PYS

**Name**

4,4'-Dipyridyl sulfone

**ENCS**

Registry NO. —

**CAS**

Registry NO. 101728-06-7

**Uses**

Intermediate for antimicrobial agents

No. **L-30****Formula**

M.W. 358.3  
 $C_{12}H_8Na_2O_6S_2$

**Abbreviation** BPDS**Name** Biphenyl-4,4'-disulfonic acid disodium salt**ENCS**

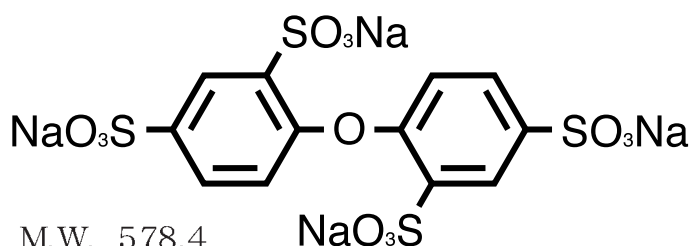
Registry NO. 9-721

**CAS**

Registry NO. 31139-42-1

**Uses**

Intermediate for liquid crystal polymer

No. **L-31****Formula**

M.W. 578.4  
 $C_{12}H_6Na_4O_{13}S_4$

**Abbreviation** DETS**Name** Diphenylether-2,2',4,4'-tetrasulfonic acid tetrasodium salt**ENCS**

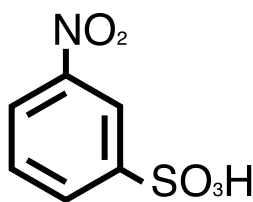
Registry NO. —

**CAS**

Registry NO. —

**Uses**

Intermediate for liquid crystal polymer

No. **L-32****Formula**

M.W. 203.2  
 $C_6H_5NO_5S$

**Abbreviation** MBA**Name** Nitrobenzene-3-sulfonic acid**ENCS**

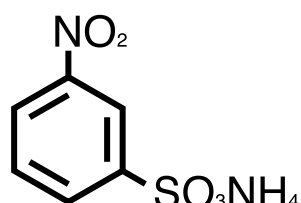
Registry NO. 3-2005

**CAS**

Registry NO. 98-47-5

**Uses**

Developing agent for nickel plating  
 Photoresist remover

No. **L-33****Formula**

M.W. 220.2  
 $C_6H_8N_2O_5S$

**Abbreviation** MBAM**Name** Nitrobenzene-3-sulfonic acid ammonium salt**ENCS**

Registry NO. 3-2005

**CAS**

Registry NO. 70027-52-0

**Uses**

Developing agent for nickel plating  
 Dyeing assistant