

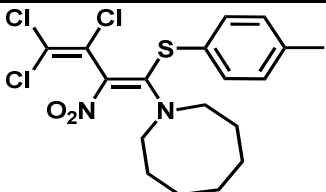
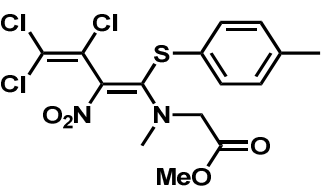
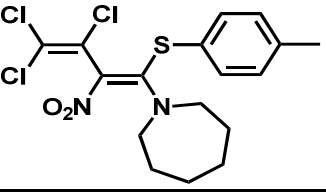
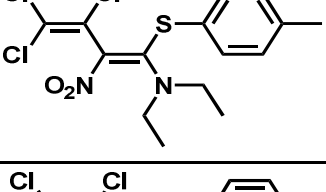
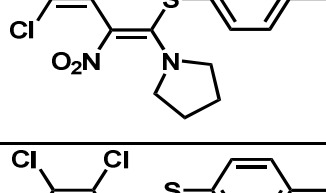
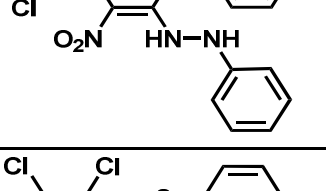
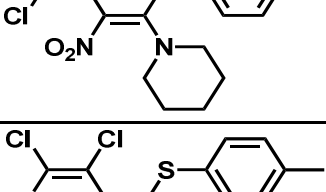
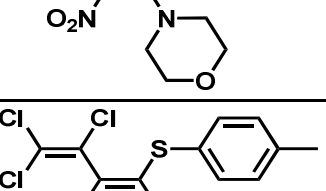
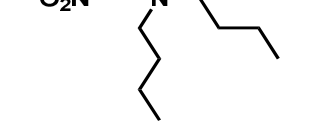
## S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes

Mol ID	Structure	Formula Chemical Name	MW	ID Number CAS Number
1		$C_{10}H_4Cl_5NO_2S$ 1-(4-chlorophenylsulfanyl)- 1,3,4,4-tetrachloro-2- nitrobuta-1,3-diene	379,47	vz0712  168139-92-2
2		$C_{16}H_8Cl_5NO_2S_2$ 1,1-bis(4-chlorophenyl- sulfanyl)-3,4,4-trichloro-2- nitrobuta-1,3-diene	487,63	vz0713  168139-89-7
3		$C_{17}H_{12}Cl_4N_2O_3S$ 1-(4-chlorophenylsulfanyl)-1- (3-methoxyphenylami- no)- 3,4,4-trichloro-2-nitrobuta- 1,3-diene	466,16	vz0911  -----
4		$C_{16}H_9Cl_5N_2O_2S$ 1-(4-chlorophenylsulfanyl)-1- (4-chlorophenylamino)-3,4,4- trichloro-2-nitrobuta-1,3- diene	470,58	vz0931  -----
5		$C_{18}H_{14}Cl_4N_2O_3S$ 1-(4-chlorophenylsulfanyl)-1- (4-ethoxyphenylamino)-3,4,4- trichloro-2-nitrobuta-1,3- diene	480,19	vz0928  -----
6		$C_{17}H_{12}Cl_4N_2O_3S$ 1-(4-chlorophenylsulfanyl)-1- (4-methoxyphenyl- amino)- 3,4,4-trichloro-2-nitrobuta- 1,3-diene	466,16	vz0842  -----
7		$C_{18}H_{14}Cl_4N_2O_4S$ 1-(4-chlorophenylsulfanyl)-1- (3,4-dimethoxyphenyl- amino)- 3,4,4-trichloro-2- nitrobuta-1,3-diene	496,19	vz0796  -----
8		$C_{14}H_{12}Cl_4N_2O_3S$ 1-(4-chlorophenylsulfanyl)-1- morpholino-3,4,4-trichloro-2- nitrobuta-1,3-diene	430,13	vz0737  -----
9		$C_{20}H_{17}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1- (1,2,3,4-tetrahydroiso- quinol-2-yl)-3,4,4-trichloro-2- nitrobuta-1,3-diene	455,78	vz0704  698993-14-5

## S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes

Mol ID	Structure	Formula Chemical Name	MW	ID Number CAS Number
10		$C_{22}H_{22}Cl_3N_3O_2S$ 1-(4-methylphenylsulfanyl)-1-(4-benzylpiperaz-1-yl)-3,4,4-trichloro-2-nitrobuta-1,3-diene	498,85	vz0717 698993-33-8
11		$C_{18}H_{15}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-benzylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	429,74	vz0259 892207-38-4
12		$C_{17}H_{12}Cl_4N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(4-chlorophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	450,16	vz0212 698990-21-5
13		$C_{18}H_{15}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(N-phenyl)-N-methyl-amino-3,4,4-trichloro-2-nitrobuta-1,3-diene	429,74	vz0254 -----
14		$C_{19}H_{17}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(2,6-dimethylphenyl-amino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	443,77	vz0095 -----
15		$C_{19}H_{17}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(N-benzyl)-N-methyl-amino-3,4,4-trichloro-2-nitrobuta-1,3-diene	443,77	vz0253 -----
16		$C_{21}H_{19}Cl_4N_3O_2S$ 1-(4-methylphenylsulfanyl)-1-(4-(3-chlorophenyl)-piperaz-1-yl)-3,4,4-trichloro-2-nitrobuta-1,3-diene	519,27	vz0630 -----
17		$C_{18}H_{21}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(2,6-dimethylpiperidino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	435,79	vz0608 -----

**S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes**

Mol ID	Structure	Formula Chemical Name	MW	ID Number CAS Number
18		$C_{18}H_{21}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(azocan-1-yl)-3,4,4-trichloro-2-nitrobuta-1,3-diene	435,79	vz0607 -----
19		$C_{15}H_{15}Cl_3N_2O_4S$ 1-(4-methylphenylsulfanyl)-1-(N-methoxycarbonylmethyl)-N-methylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	425,71	vz0530 -----
20		$C_{17}H_{19}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-(azepan-1-yl)-3,4,4-trichloro-2-nitrobuta-1,3-diene	421,76	vz0594 -----
21		$C_{15}H_{17}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-diethylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	395,73	vz0246 -----
22		$C_{15}H_{15}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-pyrrolidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	393,71	vz0032 -----
23		$C_{17}H_{14}Cl_3N_3O_2S$ (E)-1-phenyl-2-(3,4,4-trichloro-2-nitro-1-(p-tolylthio)buta-1,3-dienyl)hydrazine	430,73	vz0011 -----
24		$C_{16}H_{17}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-piperidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	407,74	vz0010 274922-15-5
25		$C_{15}H_{15}Cl_3N_2O_3S$ 1-(4-methylphenylsulfanyl)-1-morpholino-3,4,4-trichloro-2-nitrobuta-1,3-diene	409,71	vz0051 274922-17-7
26		$C_{19}H_{25}Cl_3N_2O_2S$ 1-(4-methylphenylsulfanyl)-1-dibutylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	451,83	vz0214 698990-26-0

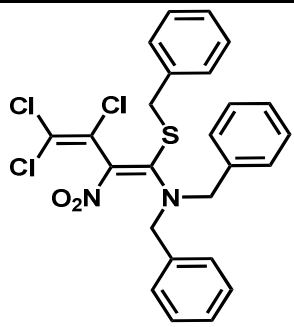
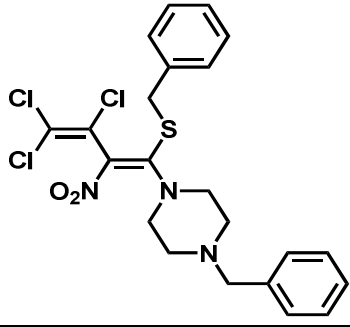
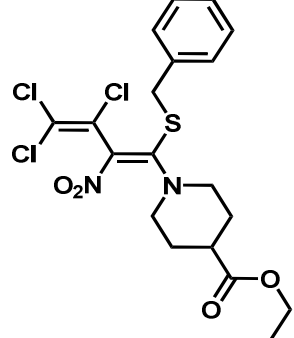
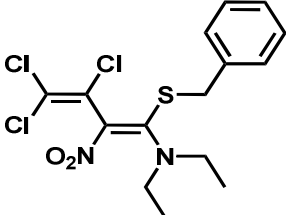
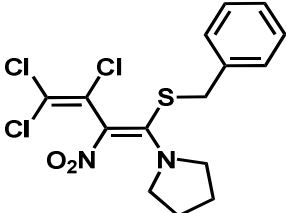
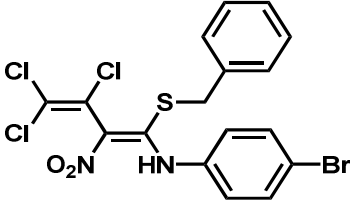
## S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes

Mol ID	Structure	Formula Chemical Name	MW	ID Number CAS Number
27		$C_{17}H_{13}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-benzylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	415,72	vz0114 -----
28		$C_{13}H_{11}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-cyclopropylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	365,66	vz0482 -----
29		$C_{16}H_{11}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-phenylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	401,69	vz0135 330448-89-0
30		$C_{18}H_{15}Cl_3N_2O_3S$ 1-phenylsulfanyl-1-(4-ethoxyphenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	445,74	vz0140 -----
31		$C_{17}H_{13}Cl_3N_2O_3S$ 1-phenylsulfanyl-1-(2-methoxyphenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	431,72	vz0136 -----
32		$C_{18}H_{15}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-(2,4-dimethylphenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	429,74	vz0134 295346-35-9
33		$C_{16}H_{10}Cl_3N_3O_4S$ 1-phenylsulfanyl-1-(4-nitrophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	446,69	vz0205 -----
34		$C_{16}H_{10}BrCl_3N_2O_2S$ 1-phenylsulfanyl-1-(4-bromophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	480,59	vz0201 400833-90-1
35		$C_{16}H_{10}BrCl_3N_2O_2S$ 1-phenylsulfanyl-1-(3-bromophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	480,59	vz0192 -----

**S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes**

<b>Mol ID</b>	<b>Structure</b>	<b>Formula Chemical Name</b>	<b>MW</b>	<b>ID Number CAS Number</b>
36		$C_{20}H_{13}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-(naphth-1-ylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	451,75	vz0112 325856-05-1
37		$C_{15}H_{15}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-piperidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	393,71	vz0069 329788-13-8
38		$C_{14}H_{13}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-pyrrolidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	379,68	vz0093 -----
39		$C_{14}H_{15}Cl_3N_2O_2S$ 1-phenylsulfanyl-1-diethylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	381,70	vz0138 330448-90-3
40		$C_{11}H_7Cl_4NO_2S$ 1-benzylsulfanyl-1,3,4,4-tetrachloro-2-nitrobuta-1,3-diene	359,05	vz0107 151052-75-4 74276-66-7
41		$C_{17}H_{14}Cl_3N_3O_2S$ (E)-1-phenyl-2-(3,4,4-trichloro-2-nitro-1-(benzylthio)buta-1,3-dienyl)hydrazine	430,73	vz0978 -----
42		$C_{17}H_{12}Cl_3FN_2O_2S$ 1-benzylsulfanyl-1-(4-fluorophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	433,71	vz0840 -----
43		$C_{16}H_{10}Cl_4N_2O_2S$ 1-phenylsulfanyl-1-(4-chlorophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	436,13	vz0714 698993-30-5

S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes

Mol ID	Structure	Formula Chemical Name	MW	ID Number CAS Number
44		$C_{25}H_{21}Cl_3N_2O_2S$ 1-benzylsulfanyl-1-(dibenzylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	519,87	<b>vz0783</b> <b>959011-88-2</b>
45		$C_{22}H_{22}Cl_3N_3O_2S$ 1-benzylsulfanyl-1-(4-benzylpiperaz-1-yl)-3,4,4-trichloro-2-nitrobuta-1,3-diene	498,85	<b>vz0767</b> -----
46		$C_{19}H_{21}Cl_3N_2O_4S$ 1-benzylsulfanyl-1-(4-ethoxycarbonyl)piperidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	479,80	<b>vz0764</b> <b>698993-59-8</b>
47		$C_{15}H_{17}Cl_3N_2O_2S$ 1-benzylsulfanyl-1-diethylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	395,73	<b>vz0115</b> <b>74276-68-9</b>
48		$C_{15}H_{15}Cl_3N_2O_2S$ 1-benzylsulfanyl-1-pyrrolidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	393,71	<b>vz0307</b> -----
49		$C_{17}H_{12}BrCl_3N_2O_2S$ 1-benzylsulfanyl-1-(4-bromophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	494,61	<b>vz0202</b> -----

## S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes

Mol ID	Structure	Formula Chemical Name	MW	ID Number CAS Number
50		$C_{19}H_{17}Cl_3N_2O_2S$ 1-benzylsulfanyl-1-(2,4-dimethylphenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	443,77	vz0111 330448-91-4
51		$C_{17}H_{13}Cl_3N_2O_2S$ 1-benzylsulfanyl-1-phenylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	415,72	vz0113 74276-67-8
52		$C_{19}H_{17}Cl_3N_2O_3S$ 1-benzylsulfanyl-1-(4-ethoxyphenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	459,77	vz0116 -----
53		$C_{12}H_{17}Cl_3N_2O_3S$ 1-butylsulfanyl-1-morpholino-3,4,4-trichloro-2-nitrobuta-1,3-diene	375,69	vz0104 591254-43-2
54		$C_{13}H_{19}Cl_3N_2O_2S$ 1-butylsulfanyl-1-piperidino-3,4,4-trichloro-2-nitrobuta-1,3-diene	373,72	vz0103 349561-22-4
55		$C_{12}H_{19}Cl_3N_2O_2S$ 1-butylsulfanyl-1-diethylamino-3,4,4-trichloro-2-nitrobuta-1,3-diene	361,71	vz0188 -----
56		$C_{14}H_{14}BrCl_3N_2O_2S$ 1-butylsulfanyl-1-(4-bromophenylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	460,60	vz0197 -----
57		$C_{19}H_{12}Cl_3N_3O_2S$ 1-phenylsulfanyl-1-(chinol-8-ylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene	452,74	vz0139 328117-82-4

**S-mono-,S,S- and S,N- 2-nitrotrichlorobutadienes**

<b>Mol ID</b>	<b>Structure</b>	<b>Formula Chemical Name</b>	<b>MW</b>	<b>ID Number CAS Number</b>
<b>58</b>		$C_{20}H_{14}Cl_3N_3O_2S$ <b>1-(4-methylphenylsulfanyl)-1-(8-quinolylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene</b>	466,76	<b>vz0071</b> -----
<b>59</b>		$C_{16}H_{10}Cl_5N_3O_2S$ <b>1-(4-chlorophenylsulfanyl)-1-(2-chloropyrid-5-ylmethyl)amino-3,4,4-trichloro-2-nitrobuta-1,3-diene</b>	485,59	<b>vz0741</b> -----
<b>60</b>		$C_{17}H_{12}Cl_5N_3O_2S$ <b>1-(4-chlorophenylsulfanyl)-1-(N-(2-chloropyrid-5-ylmethyl)-N-methylamino)-3,4,4-trichloro-2-nitrobuta-1,3-diene</b>	499,62	<b>vz0716</b> -----