

Aldrich®

1001 West Saint Paul Avenue, Milwaukee, WI 53233 USA

TO PLACE ORDERS

Telephone: 414-273-3850

(USA/Canada) 800-558-9160

FAX: 414-273-4979

(USA/Canada) 800-962-9591

Mail: P.O. Box 2060

Milwaukee, WI

53201 USA

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414-273-3850

Internet: aldrich@sial.com

Correspondence:

P.O. Box 355

Milwaukee, WI

53201 USA

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■ Difluoroci ■

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29,035-1	<i>trans</i> -2,6-Difluorocinnamic acid, 99% [102082-89-3] F ₂ C ₆ H ₃ CH=CHCO ₂ H.....	1g	18.70
	FW 184.14 mp 124-125° FT-NMR 1(2),1053A FT-IR 1(3),1322A SI 283,B,7 Safety 2,1246B	5g	62.65
	R&S 1(2),1777C IRRITANT		
29,037-8	<i>trans</i> -3,4-Difluorocinnamic acid, 95% [112897-97-9] F ₂ C ₆ H ₃ CH=CHCO ₂ H.....	1g	17.55
	FW 184.14 mp 194-196° FT-NMR 1(2),1054A SI 283,E,7 Safety 2,1246C R&S 1(2),1777F	5g	56.95
	IRRITANT		
29,038-6	3,5-Difluorocinnamic acid, 99% [84315-23-1] F ₂ C ₆ H ₃ CH=CHCO ₂ H FW 184.14.....	1g	18.70
	mp 204-205° SI 283,A,8 R&S 1(2),1777G IRRITANT	5g	60.65
36,912-8	1,2-Difluoro-4,5-dimethoxybenzene, 97% F ₂ C ₆ H ₂ (OCH ₃) ₂ FW 174.15 mp 41-43°.....	1g	21.80
	d 1.226 Fp 198°F(92°C) SI 190,E,2 R&S 1(1),1241F FLAMMABLE SOLID IRRITANT	5g	75.60
38,535-2	1,4-Difluoro-2,5-dimethoxybenzene, 99% F ₂ C ₆ H ₂ (OCH ₃) ₂ FW 174.15 mp 123-125°.....	1g	20.05
	SI 190,A,3 IRRITANT	5g	66.45
D10,250-4	1,5-Difluoro-2,4-dinitrobenzene, 97% [327-92-4] F ₂ C ₆ H ₂ (NO ₂) ₂ FW 204.09 mp 72-74°..	2.5g	19.15
★	Beil. 5(1),136 FT-NMR 1(2),769C FT-IR 1(1),1379C SI 249,E,3 Safety 2,1246D	10g	43.65
	R&S 1(1),1599D HIGHLY TOXIC		
D10,255-5	4,4'-Difluoro-2,2'-dinitrobenzyl [50618-92-3] FC ₆ H ₃ (NO ₂) ₂ CH ₂ CH ₂ C ₆ H ₃ (F)NO ₂	10g	39.95
	FW 308.24 mp 155-157° FT-NMR 1(2),778B FT-IR 1(1),1384B SI 250,D,1 R&S 1(1),1603H		
29,526-4	1,1-Difluoroethane, 98 + % [75-37-6] (HFC-152a) CH ₃ CHF ₂ FW 66.05 mp -117°.....	100g	54.30
★	bp -25° Beil. 1(3),130 FT-IR 1(3),103C SI 9,A,6 Safety 2,1247A R&S 1(1),75M	600g	115.75
	RTECS# K11410000 FLAMMABLE GAS		
	Brass regulator Z14,670-6 or Z14,671-4 is recommended.		
	(Packaged in steel cylinders)		
43,904-5	Difluoroethane aerosol propellant, Gelman Chromist™ [75-37-6].....	1ea	20.00
★	(1ea = 59.5g)	5x1ea	81.50
29,527-2	1,1-Difluoroethylene, 99 + % [75-38-7] (vinylidene fluoride) H ₂ C=CF ₂ FW 64.04.....	272g	292.65
★	mp -144° bp -83° Beil. 1,186 FT-IR 1(3),137B SI 12,C,1 Safety 2,1247B R&S 1(1),101A		
	RTECS# KW0560000 FLAMMABLE GAS MUTAGEN		
	Brass control valve Z14,694-3 or either of brass regulators Z14,670-6 and Z14,671-4 is recommended.		
	(Packaged in lecture bottle)		
44,120-1	1,2-Difluoro-4-iodobenzene, 98% [64248-58-4] F ₂ C ₆ H ₃ I FW 239.99 bp 177-178°.....	1g	7.00
★	n _D 1.5580 d 1.990 Fp 163°F(72°C) SI 182,A,5 IRRITANT LIGHT-SENSITIVE	10g	32.00
	Stabilized with copper		
36,910-1	2,4-Difluoro-1-iodobenzene, 98% [2265-93-2] F ₂ C ₆ H ₃ I FW 239.99 bp 175-176°.....	5g	14.40
	n _D 1.5570 d 2.006 Fp 154°F(67°C) Beil. 5(4),694 FT-NMR 1(2),108B SI 182,B,5	25g	48.25
	R&S 1(1),1189G IRRITANT		
31,804-3	Difluoromethane, 99.7% [75-10-5] (HFC-32) CH ₂ F ₂ FW 52.02 mp -136° bp -51.6°.....	25g	66.00
★	d 1.100 Beil. 1,59 SI 8,D,7 FLAMMABLE GAS	100g	107.00
	(Packaged in steel cylinders)		
29,247-8	4,5-Difluoro-2-nitroaniline, 98% [78056-39-0] F ₂ C ₆ H ₂ (NO ₂)NH ₂ FW 174.11.....	1g	22.90
	mp 107-108° FT-NMR 1(2),771C SI 249,B,5 Safety 2,1247C R&S 1(1),1599J IRRITANT		
23,322-6	2,4-Difluoronitrobenzene, 99% [446-35-5] F ₂ C ₆ H ₃ NO ₂ FW 159.09 mp 9-10°.....	25g	21.10
★	bp 203-204° n _D 1.5110 d 1.451 Fp 195°F(90°C) Beil. 5(1),129 FT-NMR 1(2),724C	100g	57.30
	FT-IR 1(1),1355D SI 245,D,3 Safety 2,1247D R&S 1(1),1573K RTECS# CZ5730000 TOXIC		
	IRRITANT		
19,662-2	2,5-Difluoronitrobenzene, 97% [364-74-9] F ₂ C ₆ H ₃ NO ₂ FW 159.09 mp -11.7°.....	5g	10.35
	bp 206.5° n _D 1.5090 d 1.467 Fp 194°F(90°C) Beil. 5(1),129 FT-NMR 1(2),724A	25g	33.00
	FT-IR 1(3),1204C SI 245,B,3 Safety 2,1248A R&S 1(1),1573I RTECS# CZ5715000		
	IRRITANT		
38,295-7	2,6-Difluoronitrobenzene, 98% [19064-24-5] F ₂ C ₆ H ₃ NO ₂ FW 159.09 bp 91-92°/11mm..	250mg	9.90
	n _D 1.4940 d 1.503 Fp 190°F(87°C) SI 244,C,2 R&S 1(1),1567A IRRITANT	1g	27.25
28,836-5	3,4-Difluoronitrobenzene, 99% [369-34-6] F ₂ C ₆ H ₃ NO ₂ FW 159.09 bp 76-80°/11mm.....	10g	21.60
	n _D 1.5090 d 1.437 Fp 177°F(80°C) Beil. 5(3),609 FT-NMR 1(2),724B FT-IR 1(3),1204A	50g	73.30
	SI 245,C,3 Safety 2,1248B R&S 1(1),1573J RTECS# CZ5710000 IRRITANT		
30,601-0	3,5-Difluoronitrobenzene, 99% [2265-94-3] F ₂ C ₆ H ₃ NO ₂ FW 159.09 mp 17°.....	1g	15.90
	bp 176-177° n _D 1.4990 d 1.407 Fp 165°F(73°C) Beil. 5(4),720 FT-NMR 1(2),753C	5g	53.00
	FT-IR 1(3),1213D SI 247,E,8 Safety 2,1248C R&S 1(1),1589K IRRITANT		
34,153-3	2,3-Difluoro-6-nitrophenol, 98% [82419-26-9] F ₂ C ₆ H ₂ (NO ₂)OH FW 175.09 mp 60-62°...	1g	13.80
	FT-NMR 1(2),758A SI 248,D,3 R&S 1(1),1591L IRRITANT	5g	51.00
26,532-2	2,3-Difluorophenol, 98% [6418-38-8] F ₂ C ₆ H ₃ OH FW 130.10 mp 39-42° bp 54°/25mm...	1g	12.10
	Fp 134°F(56°C) FT-NMR 1(2),260B FT-IR 1(3),1016B SI 194,A,2 Safety 2,1248D	5g	41.35
	R&S 1(1),1275E IRRITANT		
23,326-9	2,4-Difluorophenol, 99% [367-27-1] F ₂ C ₆ H ₃ OH FW 130.10 mp 22.4° bp 52-53°/19mm..	5g	12.35
	n _D 1.4860 d 1.362 Fp 134°F(56°C) Beil. 6(3),671 FT-NMR 1(2),271B FT-IR 1(1),1089B	25g	33.80
	SI 195,A,4 Safety 2,1249A R&S 1(1),1281A IRRITANT		
29,039-4	2,5-Difluorophenol, 95% [2713-31-7] F ₂ C ₆ H ₃ OH FW 130.10 mp 40-42°.....	1g	9.65
	Fp 128°F(53°C) Beil. 6(4),780 FT-NMR 1(2),271C SI 195,B,4 R&S 1(1),1281B IRRITANT	5g	32.15

■ Fluorone b ■

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	Fluorone Black, see P3680-0, 9-Phenyl-2,3,7-trihydroxy-6-fluorone page 1175		
36,913-6	4'-Fluoro-2'-nitroacetanilide, 99% [448-39-5] CH ₃ CONHC ₆ H ₄ (F)NO ₂ FW 198.15..... mp 71-73° Beil. 12,1,355 FT-NMR 1(2),1370B SI 320,B,2 R&S 1(2),2001J IRRITANT	5g 25g	13.45 44.75
15,585-3	2-Fluoro-5-nitroaniline, 98% [369-36-8] FC ₆ H ₃ (NO ₂)NH ₂ FW 156.12 mp 99-101°..... Fp 196°F(91°C) Beil. 12(1),355 FT-NMR 1(2),742C FT-IR 1(1),1365B SI 246,E,8 Safety 2,1712D R&S 1(1),1583D FLAMMABLE SOLID	5g 25g 100g	10.20 33.90 102.80
16,255-8	4-Fluoro-2-nitroaniline, 97% [364-78-3] FC ₆ H ₃ (NO ₂)NH ₂ FW 156.12 mp 91-93°..... Fp 193°F(89°C) Beil. 12(1),355 FT-NMR 1(2),744A SI 247,E,1 Safety 2,1713A R&S 1(1),1583J FLAMMABLE SOLID IRRITANT	5g 25g 100g	18.10 60.20 143.10
15,586-1 ★	4-Fluoro-3-nitroaniline, 97% [364-76-1] FC ₆ H ₃ (NO ₂)NH ₂ FW 156.12 mp 96-98°..... Fp 196°F(91°C) Beil. 12,729 FT-NMR 1(2),743C FT-IR 1(1),1365C SI 247,D,1 Safety 2,1713B R&S 1(1),1583I RTECS# BY1700000 FLAMMABLE SOLID	5g 25g 100g	8.45 28.10 92.55
33,486-3	2-Fluoro-4-nitroanisole, 98% [455-93-6] FC ₆ H ₃ (NO ₂)OCH ₃ FW 171.13 mp 103-105°..... FT-NMR 1(2),728A SI 245,B,6 R&S 1(1),1575J IRRITANT	1g 5g	10.50 38.65
32,476-0	4-Fluoro-2-nitroanisole, 98% [445-83-0] FC ₆ H ₃ (NO ₂)OCH ₃ FW 171.13 mp 62-64°..... Beil. 6(1),121 FT-IR 1(3),1206A SI 245,C,6 R&S 1(1),1575K IRRITANT	5g 25g	14.50 53.20
F1,080-1 ★	1-Fluoro-2-nitrobenzene, 99% [1493-27-2] FC ₆ H ₄ NO ₂ FW 141.10 mp -8°..... bp 116°/22mm n _D ²⁰ 1.5317 d 1.338 Fp 202°F(94°C) Beil. 5,241 FT-NMR 1(2),680B FT-IR 1(1),1330C SI 241,E,8 Safety 2,1713C R&S 1(1),1551H	10g 50g	12.75 36.75
12,839-2	1-Fluoro-3-nitrobenzene, 97% [402-67-5] FC ₆ H ₄ NO ₂ FW 141.10 mp 1.7° bp 205°..... n _D ²⁰ 1.5250 d 1.325 Fp 170°F(76°C) Beil. 5,241 FT-NMR 1(2),688C FT-IR 1(1),1335B SI 242,D,5 Safety 2,1713D R&S 1(1),1555H	10g	16.00
F1,120-4 ★	1-Fluoro-4-nitrobenzene, 99% [350-46-9] FC ₆ H ₄ NO ₂ FW 141.10 mp 21° bp 205°..... n _D ²⁰ 1.5310 d 1.330 Fp 182°F(83°C) Beil. 5,241 FT-NMR 1(2),694C FT-IR 1(1),1339D SI 243,C,1 Safety 2,1714A R&S 1(1),1559D RTECS# DA1400000 TOXIC	5g 100g 500g	11.60 31.50 106.40
28,398-3	4-Fluoro-7-nitrobenzofurazan, 97% [29270-56-2] FW 183.10 mp 52-54°..... Fp >230°F(110°C) SI 389,D,5 Safety 2,1714B R&S 1(2),2461A IRRITANT	5mg 50mg	26.60 182.50
36,265-4	2-Fluoro-5-nitrobenzoic acid, 98% [7304-32-7] FC ₆ H ₃ (NO ₂)CO ₂ H FW 185.11..... mp 142-144° Beil. 9(1),165 FT-NMR 1(2),1126B SI 289,C,8 R&S 1(2),1811B IRRITANT	1g 5g	9.15 29.60
32,904-5	4-Fluoro-3-nitrobenzoic acid, 98% [453-71-4] FC ₆ H ₃ (NO ₂)CO ₂ H FW 185.11..... mp 123-126° Beil. 9(1),165 FT-NMR 1(2),1127B SI 290,A,1 R&S 1(2),1811E	5g 25g	19.60 74.35
36,582-3	2-Fluoro-5-nitrobenzotrifluoride, 98% [400-74-8] (5-nitro- $\alpha,\alpha,\alpha,2$ -tetrafluoro-..... toluene) FC ₆ H ₃ (NO ₂)CF ₃ FW 209.10 bp 105-110°/25mm n _D ²⁰ 1.4650 d 1.522 Fp 197°F(91°C) Beil. 5(4),853 FT-NMR 1(2),721A SI 245,C,1 R&S 1(1),1571M IRRITANT	5g 25g	19.75 65.85
21,433-7	4-Fluoro-3-nitrobenzotrifluoride, 99% [367-86-2] (3-nitro- $\alpha,\alpha,\alpha,4$ -tetrafluoro-..... toluene) FC ₆ H ₃ (NO ₂)CF ₃ FW 209.10 bp 92°/15mm n _D ²⁰ 1.4620 d 1.494 Fp 92°F(33°C) Beil. 5(4),853 FT-NMR 1(2),720C FT-IR 1(1),1357B SI 245,B,1 Safety 2,1714C R&S 1(1),1571L FLAMMABLE LIQUID IRRITANT	1g 5g	9.70 32.25
34,664-0	4-Fluoro-3-nitrobenzotrifluoride, 97% [367-86-2] (3-nitro- $\alpha,\alpha,\alpha,4$ -tetrafluoro-..... toluene) FC ₆ H ₃ (NO ₂)CF ₃	100g 500g	30.65 111.20
36,583-1	5-Fluoro-2-nitrobenzotrifluoride, 99% [393-09-9] (2-nitro- $\alpha,\alpha,\alpha,5$ -tetrafluoro-..... toluene) FC ₆ H ₃ (NO ₂)CF ₃ FW 209.10 mp 23° bp 198-199° n _D ²⁰ 1.4600 d 1.497 Fp 192°F(88°C) Beil. 5,3,744 FT-NMR 1(2),721B SI 245,D,1 R&S 1(1),1573A IRRITANT	5g	22.00
29,981-2	2-Fluoro-7-nitrofluorene, 99% [1806-25-3] FW 229.21 mp 201-204°..... FT-NMR 1(2),785C FT-IR 1(3),1220B SI 250,C,7 Safety 2,1714D R&S 1(1),1607I RTECS# LL7850000 IRRITANT	100mg	18.95
34,506-7	2-Fluoro-4-nitrophenol, 99% [403-19-0] FC ₆ H ₃ (NO ₂)OH FW 157.10 mp 120-122°..... Beil. 6(3),833 FT-NMR 1(2),733C SI 246,C,2 R&S 1(1),1579D IRRITANT	1g 5g	13.15 48.15
18,412-8	3-Fluoro-4-nitrophenol, 99% [394-41-2] FC ₆ H ₃ (NO ₂)OH FW 157.10 mp 93-95°..... Beil. 6(2),226 FT-NMR 1(2),734B FT-IR 1(3),1209A SI 246,E,2 Safety 2,1715A R&S 1(1),1579F IRRITANT	1g 5g	14.15 51.85
34,505-9	4-Fluoro-2-nitrophenol, 99% [394-33-2] FC ₆ H ₃ (NO ₂)OH FW 157.10 mp 75-77°..... Beil. 6(1),121 FT-NMR 1(2),733B SI 246,B,2 R&S 1(1),1579C IRRITANT	5g 25g	25.05 83.00
23,324-2	5-Fluoro-2-nitrophenol, 99% [446-36-6] FC ₆ H ₃ (NO ₂)OH FW 157.10 mp 35-37°..... Fp 197°F(91°C) Beil. 6(2),225 FT-NMR 1(2),734A FT-IR 1(1),1362A SI 246,D,2 Safety 2,1715B R&S 1(1),1579E IRRITANT	5g 25g 100g	11.85 39.50 128.30
25,863-6	4-Fluoro-3-nitrophenyl isocyanate, 98% [65303-82-4] FC ₆ H ₃ (NO ₂)NCO FW 182.11.... mp 27-28° n _D ²⁰ 1.5684 d 1.455 Fp >230°F(110°C) FT-IR 1(2),479B SI 341,C,6 Safety 2,1715D R&S 1(2),2169J LACHRYMATOR MOISTURE-SENSITIVE	1g 10g	12.85 64.35
F1,170-0 ★	4-Fluoro-3-nitrophenyl sulfone, 99% [312-30-1] [bis(4-fluoro-3-nitrophenyl)..... sulfone] [FC ₆ H ₃ (NO ₂) ₂ SO ₂ FW 344.25 mp 193-194° FT-NMR 1(2),1590C FT-IR 1(2),490D SI 344,B,5 R&S 1(2),2191F RTECS# WR4300000	5g	18.00

