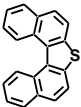
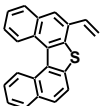
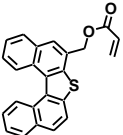
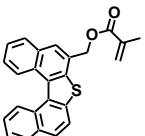
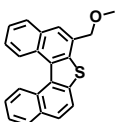
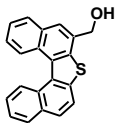
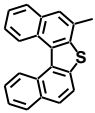
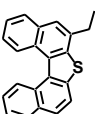
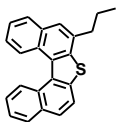
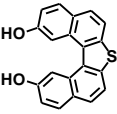
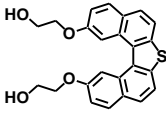
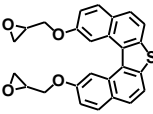
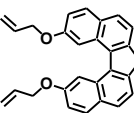
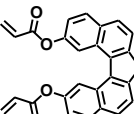
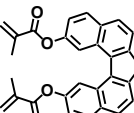
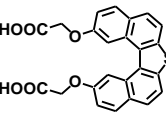


## List of Dinaphthothiophene Derivatives

Product name	Structure	Refractive Index	Initial Melting Point (°C)	5% weight reduction temp. (°C)	Solubility under room temp. (wt%)	
DNT (Dinaphthothiophene) White~slight yellowish brown crystal		1.82	207	273	0.8 (Toluene) 2.4 (THF) 0.3 (PGMEA)	0.3 (EA) 0.02 (MeOH) 0.8 (DMF)
6VDNT (6-vinyl) Slight yellow Crystal		1.76	117	402	18 (Toluene) 34 (THF) 5.2 (PGMEA)	4.8 (EA) 0.2 (MeOH) 21 (DMF)
6MDNTA (6-methyl acrylate) Slight yellow crystal		1.71	97	367	50 ↑ (Toluene) 50 ↑ (THF) 14 (PGMEA)	16 (EA) 0.3 (MeOH) 33 (DMF)
6MDNTMA (6-methyl methacrylate) Slight yellow crystal		1.71	90	307	50 ↑ (Toluene) 50 ↑ (THF) 11 (PGMEA)	11 (EA) 0.2 (MeOH) 28 (DMF)
6MDNTM (6-methylmethoxy) Slight yellow crystal		1.73	78	286	49 (Toluene) 82 (THF) 18 (PGMEA)	26 (EA) 0.9 (MeOH) 90 ↑ (DMF)
6HMDNT (6-methyl) Light yellow crystal		1.77	156	306	1,2 (Toluene) 28 (THF) 3.6 (PGMEA)	2.8 (EA) 0.8 (MeOH) 50 ↑ (DMF)
6MDNT (6-methyl) White~slight yellow crystal		1.76	132	276	11 (Toluene) 17 (THF) 4.8 (PGMEA)	4.7 (EA) 0.2 (MeOH) 11 (DMF)
6EDNT (6-ethyl) White~slight brown crystal		1.74	89	274	25 (Toluene) 44 (THF) 11 (PGMEA)	7.3 (EA) 0.3 (MeOH) 14 (DMF)

6PDNT (6-propyl) White~slight yellow crystal		1.72	74	292	26 (Toluene) 27 (THF) 15 (PGMEA)	18 (EA) 0.4 (MeOH) 17 (DMF)
2,12-DODNT (2,12-hydroxy) Grayish brown crystal		1.75	306	327	0.02 (Toluene) 21 (THF) 3.6 (PGMEA)	2.5 (EA) 3.5 (MeOH) 24 (DMF)
2,12-DHEDNT (2,12-hydroxy ethyl) Slight yellow crystal		1.68	176	349	0.2 (Toluene) 10 (THF) 0.6 (PGMEA)	0.5 (EA) 0.5 (MeOH) 39 (DMF)
2,12-DGODNT (2,12-glycidyl ether) Slight yellow crystal		1.69	138	344	2.0 (Toluene) 7.7 (THF) 2.0 (PGMEA)	1.8 (EA) 0.1 (MeOH) 11 (DMF)
2,12-DAODNT (2,12-allyl ether) Slight yellow crystal		1.73	89	323	34 (Toluene) 50 ↑ (THF) 14 (PGMEA)	16 (EA) 0.3 (MeOH) 37 (DMF)
2,12-DODNTA (2,12-acryl) Light yellow crystal		1.69	134	427	12 (Toluene) 37 (THF) 5.4 (PGMEA)	5.5 (EA) 0.3 (MeOH) 30 (DMF)
2,12-DODNTMA (2,12-methacryl) Light yellow crystal		1.69	128	395	23 (Toluene) 50 ↑ (THF) 10 (PGMEA)	11 (EA) 0.3 (MeOH) 50 ↑ (DMF)
2,12-DCDODNT (2,12-carbonyl) Light gray crystal		1.70	239	320	0.04 (Toluene) 8.2 (THF) 1.7 (PGMEA)	0.9 (EA) 0.9 (MeOH) 16 (DMF)

As of February 1, 2023  
Sugai Chemical Industry Co., Ltd.