

Temperature (°C)	Measured refractive index for [C ₁ C ₁ im][(MeO) ₂ PO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4652	1.4578	1.4534	1.4458	1.4422
150	1.4669	1.4596	1.4552	1.4483	1.4443
140	1.4688	1.4606	1.4569	1.4493	1.4445
130	1.4698	1.4625	1.4583	1.4507	1.4464
120	1.4709	1.4641	1.4594	1.4517	1.4473
110	1.4728	1.4659	1.4611	1.4543	1.4498
100	1.4744	1.4669	1.4611	1.4550	1.4515
90	1.4751	1.4684	1.4637	1.4575	1.4528
80	1.4761	1.4699	1.4644	1.4592	1.4544
Temperature (°C)	Measured refractive index for [C ₁ C ₄ im][(MeO) ₂ PO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4568	1.4490	1.4444	1.4378	1.4343
150	1.4593	1.4517	1.4463	1.4397	1.4363
140	1.4603	1.4521	1.4466	1.4405	1.4366
130	1.4622	1.4541	1.4498	1.4432	1.4396
120	1.4643	1.4569	1.4508	1.4445	1.4417
110	1.4663	1.4589	1.4538	1.4472	1.4439
100	1.4691	1.4618	1.4555	1.4484	1.4462
90	1.4712	1.4642	1.4581	1.4509	1.4482
80	1.4735	1.4664	1.4612	1.4544	1.4507
Temperature (°C)	Measured refractive index for [C ₁ C ₆ im][(MeO) ₂ PO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4374	1.4319	1.4274	1.4211	1.4180
150	1.4389	1.4330	1.4285	1.4225	1.4188
140	1.4412	1.4355	1.4306	1.4246	1.4205
130	1.4435	1.4375	1.4327	1.4269	1.4228
120	1.4460	1.4396	1.4352	1.4290	1.4249
110	1.4485	1.4415	1.4373	1.4313	1.4272
100	1.4509	1.4443	1.4398	1.4334	1.4291
90	1.4534	1.4470	1.4423	1.4360	1.4315
80	1.4561	1.4494	1.4446	1.4381	1.4338
Temperature (°C)	Measured refractive index for [C ₁ C ₁ im][MeMeOPO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4885	1.4830	1.4787	1.4720	1.4675
150	1.4882	1.4814	1.4770	1.4704	1.4664
140	1.4870	1.4796	1.4747	1.4692	1.4660
130	1.4854	1.4780	1.4732	1.4678	1.4640
120	1.4834	1.4746	1.4706	1.4661	1.4623
110	1.4815	1.4741	1.4693	1.4643	1.4603
100	1.4796	1.4710	1.4665	1.4626	1.4586
90	1.4782	1.4699	1.4649	1.4607	1.4572
80	1.4761	1.4663	1.4627	1.4589	1.4551
Temperature (°C)	Measured refractive index for [C ₁ C ₄ im][MeMeOPO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4633	1.4561	1.4504	1.4437	1.4398
150	1.4652	1.4583	1.4528	1.4455	1.4419
140	1.4671	1.4602	1.4547	1.4469	1.4427
130	1.4691	1.4618	1.4567	1.4493	1.4452
120	1.4709	1.4636	1.4583	1.4506	1.4466
110	1.4729	1.4653	1.4602	1.4533	1.4492
100	1.4743	1.4675	1.4623	1.4552	1.4512
90	1.4757	1.4687	1.4636	1.4571	1.4530
80	1.4775	1.4708	1.4651	1.4594	1.4554
Temperature (°C)	Measured refractive index for [C ₁ C ₆ im][MeMeOPO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4566	1.4489	1.4435	1.4364	1.4333
150	1.4597	1.4514	1.4455	1.4388	1.4353
140	1.4613	1.4524	1.4466	1.4395	1.4371
130	1.4642	1.4553	1.4495	1.4429	1.4391
120	1.4667	1.4583	1.4516	1.4447	1.4405
110	1.4688	1.4602	1.4543	1.4479	1.4431
100	1.4712	1.4630	1.4558	1.4489	1.4445
90	1.4736	1.4645	1.4583	1.4513	1.4468

80	1.4759	1.4669	1.4611	1.4549	1.4503
Temperature (°C)	Measured refractive index for [C ₁ C ₁ im][MeOHPO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4781	1.4704	1.4647	1.4578	1.4529
150	1.4792	1.4712	1.4656	1.4584	1.4537
140	1.4805	1.4729	1.4673	1.4601	1.4556
130	1.4825	1.474	1.4691	1.462	1.4569
120	1.4843	1.4762	1.471	1.4634	1.4583
110	1.486	1.477	1.4726	1.465	1.4597
100	1.4876	1.4783	1.4743	1.4663	1.4607
90	1.489	1.4797	1.4757	1.4674	1.4619
80	1.4899	1.4811	1.4769	1.4689	1.4633
Temperature (°C)	Measured refractive index for [C ₁ C ₄ im][MeOHPO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4756	1.4691	1.4648	1.4595	1.4534
150	1.4762	1.4699	1.4653	1.4598	1.4549
140	1.4783	1.4708	1.4672	1.4601	1.4566
130	1.4798	1.4725	1.4678	1.4615	1.4582
120	1.4811	1.4743	1.4716	1.4636	1.4595
110	1.4830	1.4756	1.4719	1.4651	1.4615
100	1.4849	1.4793	1.4749	1.4679	1.4635
90	1.4887	1.4800	1.4776	1.4690	1.4654
80	1.4899	1.4818	1.4792	1.4718	1.4672
Temperature (°C)	Measured refractive index for [C ₁ C ₆ im][MeOHPO ₂]				
	450nm	532nm	632.8nm	964nm	1551nm
160	1.4676	1.4605	1.4545	1.4483	1.4429
150	1.4693	1.4622	1.4563	1.4499	1.4448
140	1.4709	1.4646	1.4573	1.4518	1.4457
130	1.4730	1.4664	1.4596	1.4539	1.4478
120	1.4750	1.4675	1.4614	1.4548	1.4491
110	1.4768	1.4694	1.4631	1.4567	1.4510
100	1.4789	1.4711	1.4651	1.4583	1.4524
90	1.4810	1.4734	1.4669	1.4606	1.4543
80	1.4829	1.4759	1.4692	1.4625	1.4567