

Category	Amidite/Reagent (5'-DMT-, 3'-CE, 2'-O-TBDMS unless specified)	MW (g/mol)	Molarity (mol/L) 0.2 M	Solute (g) 20 g	ACN (mL)	ACN (g)	Mol Sieves (g)	Total V (mL)	Solvent
DNA	dA(Bz)	857.95	0.20	20.00	108.8	85.5	11.2	116.6	ACN
	dC(Ac)	771.84	0.20	20.01	122.5	96.3	12.6	129.6	ACN
	d5mC(Bz)	847.90	0.20	20.01	110.0	86.5	11.3	118.0	ACN
	dG(iBu)	839.94	0.20	20.00	111.0	87.2	11.4	119.1	ACN
	dG(Dmf)	824.92	0.20	19.99	113.3	89.1	11.6	121.2	ACN
	dT/d5mU	744.83	0.20	19.99	127.2	100.0	13.1	134.2	ACN
RNA	rA(Bz)	988.18	0.20	20.00	91.1	71.6	9.3	101.2	ACN
	rC(Ac)	902.10	0.20	20.00	100.8	79.2	10.3	110.8	ACN
	rG(Ac)	942.14	0.20	20.00	96.1	75.5	9.9	106.1	ACN
	rG(iBu)	970.16	0.20	20.00	92.8	72.9	9.5	103.1	ACN
	rU	861.03	0.20	19.99	106.3	83.6	10.9	116.1	ACN
	mA(Bz)	887.97	0.20	19.99	104.5	82.1	10.7	112.6	ACN
2'-OMe	mC(Ac)	801.84	0.20	20.00	117.3	92.2	12.0	124.7	ACN
	mG(iBu)	869.97	0.20	20.01	106.6	83.8	10.9	115.0	ACN
	mU	760.80	0.20	20.00	125.1	98.3	12.8	131.5	18/82 DMF/ACN
	fA(Bz)	875.93	0.20	20.00	106.2	83.5	10.9	114.1	ACN
2'-F	fC(Ac)	789.84	0.20	20.01	119.3	93.8	12.2	126.6	ACN
	fG(iBu)	857.91	0.20	20.00	108.3	85.1	11.1	116.5	ACN
	fU	748.79	0.20	20.00	126.5	99.4	13.0	133.6	ACN
	moeA(Bz)	932.01	0.20	20.01	98.4	77.3	10.1	107.3	ACN
2'-MOE	moe5mC(Bz)	922.01	0.20	20.00	99.6	78.3	10.2	108.4	ACN
	moeG(iBu)	913.99	0.20	19.99	100.6	79.1	10.3	109.4	ACN
	moeT/moe5mU	818.89	0.20	20.00	114.3	89.8	11.7	122.1	ACN
	IA(Bz)	885.95	0.20	20.01	104.4	82.1	10.7	112.9	ACN
	I5mC(Ac)	813.89	0.20	20.00	115.1	90.5	11.8	122.9	50/50 Toluene/ACN
	I5mC(Bz)	875.97	0.20	19.99	105.7	83.1	10.8	114.1	50/50 Toluene/ACN
LNA	IG(iBu)	867.93	0.20	20.01	106.9	84.0	11.0	115.2	ACN
	IG(Dmf)	852.91	0.20	19.99	109.0	85.7	11.2	117.2	ACN
	IT/I5mU	772.83	0.20	20.00	122.1	96.0	12.5	129.4	ACN