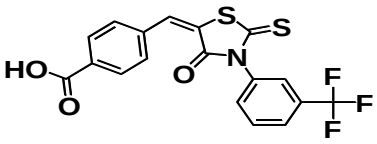
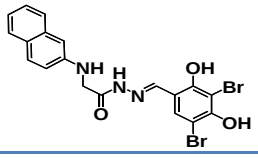
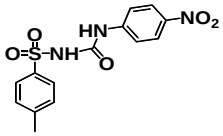
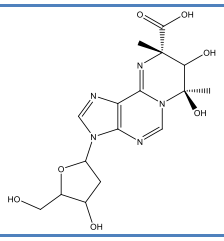
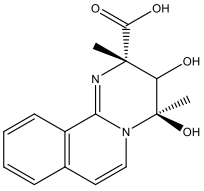
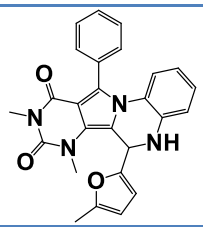
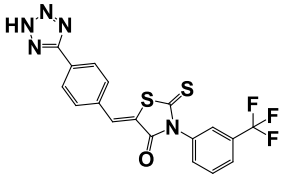
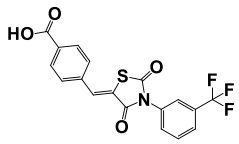
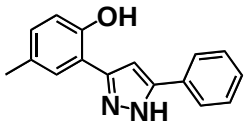
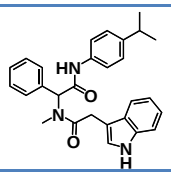
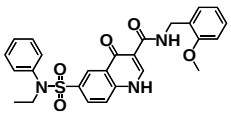
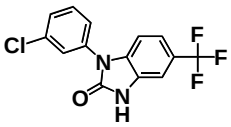
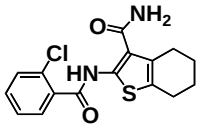
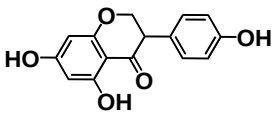
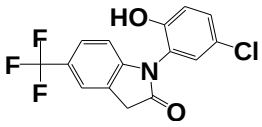
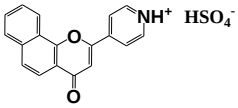
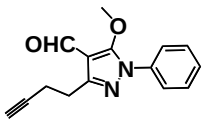
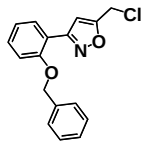
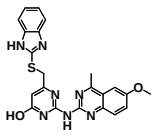
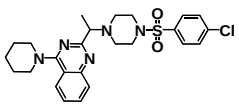
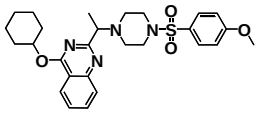
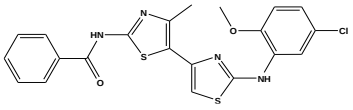
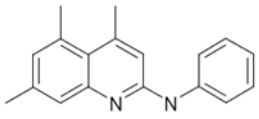
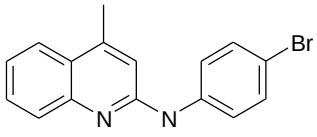
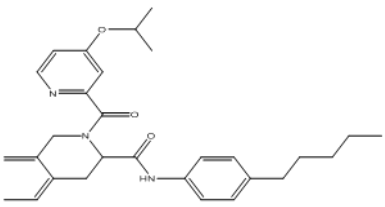
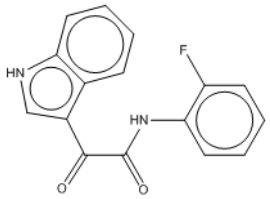
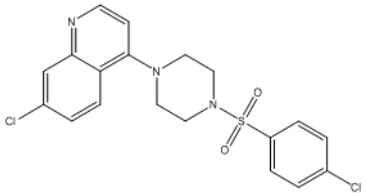
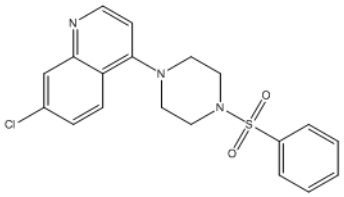
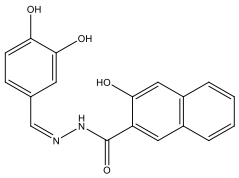
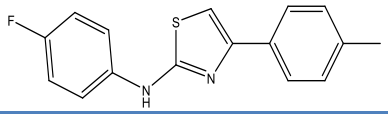
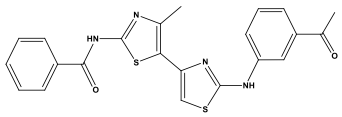
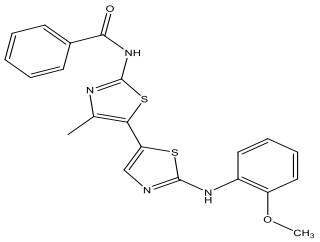
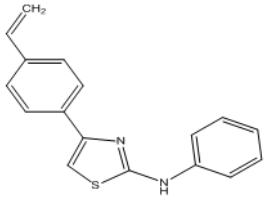
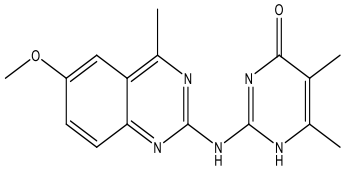
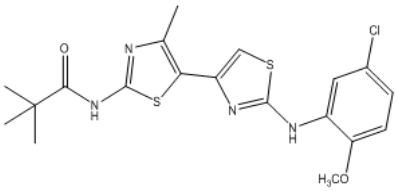
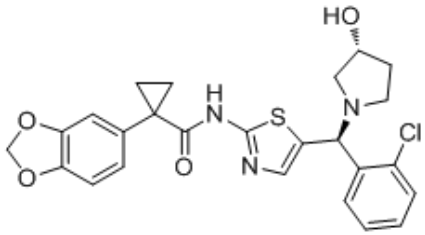
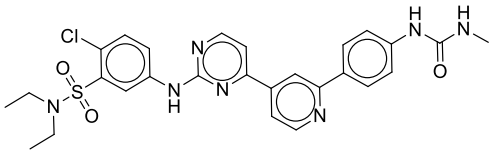
CHEMICAL COMPOUND INVENTORY LISTING

ID	Chemical Name	Chemical Structure	Comments
Blocker (B); Potentiator (P); Corrector (C); NMD-Inhibitor (N)			
B1	4-[4-Oxo-2-thioxo-3-(3-trifluoromethyl-phenyl)-thiazolidin-5-ylidenemethyl]-benzoic acid		**Reference #** 1** **Name: CFinh-172** Potency:Ki= 300 nM Solvent:DMSO Hints For Use: Slow onset of inhibition in some cell types (e.g. T84 cells) requiring prolonged incubation. M.W.: 409
B2	(Naphthalen-2-ylamino)-acetic acid (3,5-dibromo-2,4,-dihydroxy-benzylidene)-hydrazide		**Reference #** 2** **Name: GlyH-101** Potency:Ki= 5 microM Solvent:DMSO Hints For Use: M.W.: 493
B3	Diarylsulfonylurea		**Reference #** 3** **Name: DASU-01** Potency:Ki > 100 microM Solvent: Water or buffer Hints For Use: Useful for CFTR noise analysis M.W. 335.3
B4	(7R,9S)-7,8-dihydroxy-3-(4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-7,9-dimethyl-3,7,8,9-tetrahydropyrimido[1,2-i]purine-9-carboxylic acid		**Reference #**16** **Name: Blocker 5ab** Potency:Ki < 100 pM but see Ref.#17 Solvent: Water or buffer Hints For Use: M.W.395.37
B5	(2S,4R)-3,4-dihydroxy-2,4-dimethyl-3,4-dihydro-2H-pyrimido[2,1-a]isoquinoline-2-carboxylic acid		**Reference #** 16** **Name: Blocker 8ab** Potency:Ki < 20 nM but see Ref.# 17 Solvent: Water or buffer Hints For Use: M.W. 288.3
B6	7,9-dimethyl-11-phenyl-6-(5-methylfuran-2-yl)-5,6-dihydro-pyrimido-[4',5'-3,4]pyrrolo[1,2-*a]quinoxaline-8,10-(7H,9H)-dione*		**Reference # 22** **Name: PPQ-102.** Potency Ki=90 nM Solvent: DMSO Hints for use: M.W. 438.48
B7	5-[[4-(2h-tetrazol-5-yl)phenyl]methylene]-2-thioxo-3-[3-(trifluoromethyl)phenyl]-4-thiazolidinone		**Reference # 23** **Name: Tetrazolo–Inh.-172.** Potency: Ki~1 microM Solvent: DMSO Hints for use: Reported to be more water soluble than Inh.-172 M.W. 433.43

B8	4-[[3-[3-(trifluoromethyl)phenyl]-2,4-dioxo-5-thiazolidinylidene] methyl]benzoic acid		**Reference # 23** **Name: Oxo–Inh.-172.** Potency: Ki~1 microM Solvent: DMSO Hints for use: Reported to be more water soluble than Inh.-172 M.W. 393.34
P1	4-Methyl-2-(5-phenyl-1H-pyrazol-3-yl)-phenol		**Reference #**12 & 15** **Name: VRT-532** Potency:Ks 3 to 5 microM Solvent:DMSO Hints For Use: M.W.: 250
P2	2-[(2-1H-Indol-3-yl-acetyl)-methyl-amino]-N-(4-isopropyl-phenyl)-2-phenyl-acetamide		**Reference #** 4** **Name: PG-01** Potency:Ks= 300 nM Solvent:DMSO Hints For Use: M.W.:439.5
P3	6-(Ethyl-phenyl-sulfonyl)-4-oxo-1,4-dihydro-quinoline-3-carboxylic acid 2-methoxy-benzylamide		**Reference #** 4** **Name: SF-03** Potency:Ks= 30 nM Solvent:DMSO Hints For Use: M.W.:491.6
P4	1-(3-chlorophenyl)-5-trifluoromethyl-3-hydrobenzimidazol-2-one		**Reference #** 5** **Name: UCCF-853** Potency:Ks= 3 microM Solvent:DMSO Hints For Use: M.W.: 312.7
P5	2-(2-Chloro-benzoylamino)-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid amide		**Reference #** 6** **Name: dF508$_{act}$-02** Potency:Ks= 70 nM Solvent:DMSO Hints For Use: M.W.: 334.8
P6	5,7,Dihydroxy-3-(4-hydroxy-phenyl)-chroman-4-one		**Reference #** 8** **Name: Genistein (discontinued - available from Sigma #G6649)** Potency:Ks= 10 to 30 microM Solvent:DMSO Hints For Use: M.W.:272.3
P7	1-(5-Chloro-2-hydroxy-phenyl)-5-trifluoromethyl-1,3-dihydro-indol-2-one		**Reference #** 8** **Name: NSOO4** Potency:EC50 3 microM Solvent:DMSO Hints For Use: Does not work in excised patches. M.W.: 327.7
P8	4-(4-Oxo-4H-benzo[h]chromen-2-yl)-pyridinium; bisulfate		**Reference #** 9 and 10** Potency:Ks= 2 microM Solvent:DMSO Hints For Use: M.W.:371.4

P9	3-But-3-ynyl-5-methoxy-1-phenyl-1H-pyrazole-4-carbaldehyde		**Reference #** 10** Potency:Ks= 10 microM Solvent:DMSO Hints For Use: M.W.:254.3
P10	3-(2-Benzyloxy-phenyl)-5-chloromethyl-isoxazole		**Reference #** 10** Potency:Ks > 50 microM Solvent:DMSO Hints For Use: M.W.:299.8
C1	6-(1H-Benzoimidazol-2-ylsulfanylmethyl)-2-(6-methoxy-4-methyl-quinazolin-2-ylamino)-pyrimidin-4-ol		**Reference #** 11** Potency:Ks= 3 microM Solvent:DMSO Hints For Use: M.W.:445.5
C2	2-{1-[4-(4-Chloro-benzensulfonyl)-piperazin-1-yl]-ethyl}-4-piperidin-1-yl-quinazoline		**Reference. Vertex Presentation** **Name: VRT-640** Potency: unknown Solvent:DMSO Hints For Use: Likely binds to serum proteins. M.W.:500.1
C3	4-Cyclohexyloxy-2-{1-[4-(4-methoxy-benzensulfonyl)-piperazin-1-yl]-ethyl}-quinazoline		**Reference #** 12,13, 15** **Name: VRT-325** Potency:EC50 2 microM Solvent: dry DMSO Hints For Use: Binds to serum proteins M.W.:510.65
C4	N-[2-(5-Chloro-2-methoxy-phenylamino)-4'-methyl-[4,5']bithiazolyl-2'-yl]-benzamide		**Reference #** 11** **Name: cmpd 4a** Potency:EC50 2 microM Solvent: DMSO Hints For Use: M.W.:440.9
C5	4,5,7-trimethyl-N-phenylquinolin-2-amine		**Reference #** 11:** **Name: cmpd 5a** Potency:EC50 13 microM Solvent: DMSO Hints For Use: M.W.:262.35
C6	N-(4-bromophenyl)-4-methylquinolin-2-amine		**Reference #** 11:** **Name: cmpd 5c** Potency:EC50 8 microM Solvent: DMSO Hints For Use: M.W.:313.19
C7	2-(4-isopropoxypicolinoyl)-N-(4-pentylphenyl)-1,2,3,4-tetrahydroisoquinoline-3-carboxamide		**Reference #** 21:** **Name:Genzyme cmpd 48 only 10mg will be provided** Potency:EC50 300 nM Solvent: DMSO Hints For Use: M.W.472.6

C8	N-(2-fluorophenyl)-2-(1H-indol-3-yl)-2-oxoacetamide		**Reference #** Vertex patent** Potency:EC50 Solvent:DMSO Hints For Use: M.W.:282.27
C9	7-chloro-4-(4-(4-chlorophenylsulfonyl)piperazin-1-yl)quinoline		**Reference #**18** **Name: KM11060** Potency:EC50 < 1 microM Solvent:DMSO Hints For Use: M.W.:422.33
C10	7-chloro-4-(4-(phenylsulfonyl)piperazin-1-yl)quinoline		**Reference # 18** **Name: KM11057** Potency:EC50 > 100 microM Solvent:DMSO Hints For Use: Inactive derivative of C9 (KM11060) M.W.:387.88
C11	(Z)-N'-(3,4-dihydroxybenzylidene)-3-hydroxy-2-naphthohydrazide		**Reference #: 19** **Name: Dynasore** Potency:EC50 10-20 microM Solvent: DMSO Hints For Use: An inhibitor of dynamin, blocks CFTR endocytosis M.W.:322.31
C12	N-(4-fluorophenyl)-4-p-tolylthiazol-2-amine		**Reference #: 11 Name: 2i** Potency:EC50 5 microM Solvent: DMSO Hints For M.W.:284.35
C13	N-(2-(3-acetylphenylamino)-4'-methyl-4,5'-bithiazol-2'-yl)benzamide		**Reference #: 11 Name: 4c** Potency:EC50 2 microM Solvent: DMSO Hints For M.W.:434.53
C14	N-(2'-(2-methoxyphenylamino)-4-methyl-5,5'-bithiazol-2-yl)benzamide		**Reference #: 11 Name:4d** Potency:EC50 7 microM Solvent: DMSO Hints For Use: M.W.422.52

C15	N-phenyl-4-(4-vinylphenyl)thiazol-2-amine		**Reference #: 11 Name: 2b** Potency:EC50 16 microM Solvent: DMSO Hints M.W.278.37
C16	2-(6-methoxy-4-methylquinazolin-2-ylamino)-5,6-dimethylpyrimidin-4(1H)-one		**Reference #: 11 Name: 3d** Potency:EC50 15 microM Solvent: DMSO Hints M.W.:311.34
C17	N-(2-(5-chloro-2-methoxyphenylamino)-4'-methyl-4,5'-bithiazol-2'-yl)pivalamide		**Reference #: 20 Name: 15Jf** Potency:EC50 1-2 microM Solvent: DMSO Hints For Use: M.W.:436.98
C18	1-(benzo[d][1,3]dioxol-5-yl)-N-(5-((S)-(2-chlorophenyl)((R)-3-hydroxypyrrolidin-1-yl)methyl)thiazol-2-yl)cyclopropanecarboxamide		**Reference # 24** **Name: VRT-534 (also known as CF-106951)** **only 10 mg will be provided** Potency Ks~0.6 microM Solvent: DMSO Hints for use: Use at 3 to 6 microM for maximum effect. M.W. 497.99
	6 compounds from the EPIX Pharmaceuticals Dual Corrector/Potentiator series are available through a specific MTA.	Please contact Kathryn Fox (kfox@cff.org) to receive the MTA template.	
N1	2-chloro-N,N-diethyl-5-((4-(2-(4-(3-methylureido)phenyl)pyridin-4-yl)pyrimidin-2-yl) amino)benzenesulfonamide		**Reference # 25** **Named SMG1i by CFFT Lab** Potency: IC50 110 picoM for purified enzyme Solvent: DMSO Hints For Use: 0.1–1 microM in cell-based assays M.W.: 566.07

The order form is an open and working listing of available compounds. It is subject to change. All compounds are at least 95% pure; NMR and melting point data are available upon request.