

## Oxygen Sensing Compound Library (96-well)

### Product Details:

Catalog Number:	HY-L045
Formulation:	A collection of 961 oxygen sensing compounds supplied as pre-dissolved DMSO solutions or Solid
Container:	96 Well Format Sample Storage Tube With Screw Cap and Optional 2D Barcode
Storage:	-80°C
Shipping:	Blue ice
Packaging:	Inert gas

### Plate layout: HY-L045-1

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	AZD0156	BAY1125976	Tomivosertib	PQR620	GLX351322	TA-01	TA-02	BAPTA	Toll-like receptor modulator	CP21R7	Empty
b	Empty	(1S,3R)-RSL3	CZ415	IQ-1S (free acid)	SZL P1-41	Nutlin (3a)	Remetinostat	BH3I-1	NKL 22	PF-04979064	WYE-132	Empty
c	Empty	C29	NSC781406	Visomitin	TAK-243	TBHQ	Avadomide	ITSA-1	RAF709	ML385	DTP3 (TFA)	Empty
d	Empty	D-alpha-Hydroxyglutaric acid	Tempol	(E)-Necrosulfonamide	AGK2	Urolithin A	APS-2-79	NOD-IN-1	SYP-5	IPI549	Cambinol	Empty
e	Empty	CXD101	HTHQ	NCB-0846	GS-444217	WT-161	MX69	CDD3505	Diphenyleneiodonium chloride	HA-100	MK-8617	Empty
f	Empty	Nrf2-IN-1	D-erythro-Sphingosine	Salermide	LY294002	AS-605240	IC-87114	TG100-115	TGX-221	SF2523	PI-103	Empty
g	Empty	PI-103 (Hydrochloride)	GDC-0326	Vadadustat	Thiomyristoyl	DMU2105	DMU2139	Hesperin	Trolox	AK-1	LY3214996	Empty
h	Empty	TC13172	GDC-0077	BAY-1895344 (hydrochloride)	LXS196	Nedisertib	LTURM34	EDO-S101	CHIR-99021	CHIR-99021 (monohydrochloride)	CHIR-99021 (trihydrochloride)	Empty

### Plate layout: HY-L045-2

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	DKM 2-93	AX-15836	Ruboxistaurin (hydrochloride)	AD80	Wortmannin	Sorafenib	Sorafenib (Tosylate)	PI3Kδ-IN-2	Oxamflatin	Everolimus	Empty
b	Empty	Rapamycin	Vorinostat	CUDC-101	Panobinostat	Belinostat	Midostaurin	BRAF inhibitor	RAF265	GSK-690693	AKT Kinase Inhibitor	Empty
c	Empty	PD0325901	SB 203580	SB 203580 (hydrochloride)	BAY 11-7085	SB 202190	Omipalisib	PIK-294	Doramapimod	Desidustat	Neflamapimod	Empty
d	Empty	Regorafenib	Regorafenib (monohydrate)	Proglumide (sodium)	1-Aminobenzotriazole	Stripentol	Fasudil (Hydrochloride)	Enzastaurin	Sotrastaurin	AZD 6482	MD2-IN-1	Empty
e	Empty	Takinib	AKT inhibitor VIII	MK-2206 (dihydrochloride)	BI-78D3	CY-09	PF-06409577	Gardiquimod trifluoroacetate	TLR7/8 agonist 1 (dihydrochloride)	PP121	ACY-957	Empty
f	Empty	VX-702	Losmapimod	BAY 73-6691	PH-797804	LM22B-10	Pamapimod	Talmapimod	CAY10602	AZD-8055	OSI-027	Empty
g	Empty	A-443654	TAK-715	Torkinib	Cobicistat	SC75741	BI-D1870	AR-A014418	BX795	CGP 57380	Tasquinimod	Empty
h	Empty	Betulonic acid	GW 5074	PD 169316	Pluripotin	GSK 3 Inhibitor IX	Valproic acid	Valproic acid (sodium salt)	TWS119	Delcaseritib	L-Buthionine-(S,R)-sulfoximine	Empty

### Plate layout: HY-L045-3

1	2	3	4	5	6	7	8	9	10	11	12
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a	Empty	MTX-211	Sulcotrione	Tetrahydrobiopterin	OSS_128167	Guggulsterone	4-Hydroxychalcone	2-Phospho-L-ascorbic acid trisodium salt	MK-3903	GENE-493	Bisindolylmaleimide X (hydrochloride)	Empty
b	Empty	AG126	3-TYP	WHI-P258	CU-CPT22	DCP-LA	DCPLA-ME	PT2399	(Rac)-PT2399	ML-792	JWG-071	Empty
c	Empty	Tucidinostat	Parsaclisib	AZD1390	RG7112	SB-590885	Trametinib	Trametinib (DMSO solvate)	CP-466722	AZ 628	BX-912	Empty
d	Empty	KU-57788	CGP60474	AS601245	TDZD-8	DSR-6434	TRAF-STOP inhibitor 6877002	SB 239063	SD 0006	Corin	Pilaralisib analogue	Empty
e	Empty	Resatorvid	Pyributicarb	AZD5904	HDAC8-IN-1	Tinoridine hydrochloride	MK8722	LX2343	IDF-11774	SR-4370	MK-8353	Empty
f	Empty	1-Ethynyl-naphthalene	AZD-0364	NACM-OPT	PI3K/mTOR Inhibitor-2	GSTO1-IN-1	Mitochondrial acid 5	M1001	DMX-5804	AZD-7648	ACY-1083	Empty
g	Empty	HO-1-IN-1	HO-1-IN-1 hydrochloride	TH34	5-Iodo-indirubin-3'-monoxime	LUT014	CU-CPT-8m	CU-CPT9b	CIL56	LXH254	SLV-2436	Empty
h	Empty	TP0463518	O-304	GW806742X	AZ32	ETC-206	Sirt2-IN-1	NIK SMI1	GSTO-IN-2	CC-90003	MC3482	Empty

Plate layout: HY-L045-4

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	UCB9608	SIRT5 inhibitor 1	CU-CPT-9a	4-Octyl itaconate	PKC-theta inhibitor	V-9302	BRD 4354 (dinitrofluoroacetate)	4'-Methylchrysoeriol	EX229	VTX-27	Empty
b	Empty	IITZ-01	mTOR inhibitor-1	4-Hydroxynone	2-D08	GW284543	Se-Methylselenocysteine	COH000	DLK-IN-1	HDACs/mTOR Inhibitor 1	p38α inhibitor 1	Empty
c	Empty	P1105-IN-1	1V209	UBCS039	SW-100	MPO-IN-28	AZ304	Camalexin	MW-150	KU-55933	Serdemetan	Empty
d	Empty	PD98059	U0126	WYE-354	GSK1059615	Rigosertib (sodium)	Rigosertib	Elesclomol	SP600125	Pimasertib	PIK-93	Empty
e	Empty	Chelerythrine Chloride	BIX02188	BIX02189	Vemurafenib	AZD8330	AT7867	AT7867 (dihydrochloride)	KU-60019	PD318088	PHT-427	Empty
f	Empty	PI3K-IN-1	APX-115 (free base)	BI8622	Purpurogallin	Entinostat	Mocetinostat	MEK inhibitor	JR-AB2-011	RTA-408	CDDO-EA	Empty
g	Empty	PI-3065	STL127705	FR 180204	Umbralisib	Umbralisib (hydrochloride)	Serabelisib	YH239-EE	HG6-64-1	IM-12	Setanaxib	Empty
h	Empty	Kenpaullone	Nicotinamide riboside (chloride)	AZD8186	HTH-01-015	ETP-46321	Bempeidoic acid	JNJ-47117096 hydrochloride	FICZ	HET0016	SAR405	Empty

Plate layout: HY-L045-5

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	LY-2584702 (tosylate salt)	SKF-86002	LY3023414	Oltipraz	Bikinin	LY3009120	URMC-099	JAK/HDAC-IN-1	J22352	Urolithin B	Empty
b	Empty	Acalisib	Molidustat	ML228	GENE-317	L-779450	Vps34-PIK-III	Vps34-IN-1	VAS2870	ML171	Adenosine amine congener	Empty
c	Empty	MCC950 (sodium)	SR-3306	JNJ-42041935	ERK5-IN-2	MK2-IN-1 (hydrochloride)	OBA-09	CCT196969	MD2-TLR4-IN-1	PT-2385	Bimiralisib	Empty
d	Empty	AZD-8835	PK11007	VP3.15 (dihydrobromide)	N-Desmethylta-moxifen	Clomethiazole	KDU691	GENE-3511	AMG319	Torin 2	Laquinimod	Empty
e	Empty	CC-401 (hydrochloride)	Idelalisib	Sodium formononetin-3'-sulfonate	Cobimetinib	Cobimetinib (hemifumarate)	Isobavachalcone	Cenisetib	VO-Ohpic (trihydrate)	CHIR-98014	Cobimetinib (racemate)	Empty
f	Empty	T0070907	Pyroxamide	YM-201636	Ralimetinib dimesylate	Disufenton sodium	Apitolisib	A-674563 (hydrochloride)	A66	Droxinostat	Tubastatin A (Hydrochloride)	Empty
g	Empty	Tubastatin A	PIK-75	PYR-41	PYZD-4409	CKI-7	Regorafenib (Hydrochloride)	JNK-IN-8	Pracinostat	Bardoxolone (methyl)	Sapanisertib	Empty
h	Empty	BGT226 (maleate)	ZM 336372	Tofogliflozin (hydrate)	AICAR	AICAR (phosphate)	Dorsomorphin (dihydrochloride)	Tenovin-1	Deguelin	Roxadustat	Tubacin	Empty

Plate layout: HY-L045-6

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	TAK-733	BAY 11-7082	J14	Mitoxantrone	Mitoxantrone (dihydrochloride)	M344	Sirtinol	Fimepinostat	AS-604850	AS-252424	Empty
b	Empty	HDAC-IN-7	Dacinostat	Efaproxiral	Ezatiostat	TLK117	(-)-Epigallocatechin Gallate	LW6	Miltefosine	Go 6983	Resiquimod	Empty
c	Empty	Silibinin	Ebselen	Sulforaphane	Valrubicin	Motolimod	Tenofovir (Disoproxil Fumarate)	Tenofovir (Disoproxil)	XL388	QNZ	BX517	Empty
d	Empty	AZD1080	PF-4989216	Bisindolylmaleimide I	Taselisib	Berzosertib	RGFP966	Tenofovir (hydrate)	GSK-3 inhibitor 1	JSH-23	B-Raf inhibitor 1	Empty
e	Empty	VX-11e	Cinaciguat	Febuxostat	Isavuconazole	BMS-582949 (hydrochloride)	GSK-25	ERK5-IN-1	MP7	XMD8-92	Talarozole	Empty
f	Empty	Donepezil	Palomid 529	[6]-Gingerol	Zingerone	(-)-DHMEQ	(+)-DHMEQ	Sulfasalazine	Dabrafenib	Dabrafenib (Mesylate)	Fluvastatin (sodium)	Empty
g	Empty	Refametinib	RO4987655	VE-821	Choline Fenofibrate	Bentamapimod	Levomefolic acid	Olesoxime	Givinostat (hydrochloride)	Tideglusib	Topiroxostat	Empty
h	Empty	Bardoxolone	Succinobucol	R1487 (Hydrochloride)	GSK2334470	5-Aminosalicylic Acid	Sinomenine hydrochloride	Staurosporine	Doxorubicin (hydrochloride)	Trichostatin A	Dactolisib (Tosylate)	Empty

Plate layout: HY-L045-7

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	PF-04691502	Buparlisib (Hydrochloride)	Ipatasertib	Ipatasertib dihydrochloride	Agerafenib	Binimetinib	PCI-34051	Alpelisib	GSK2636771	TAK-580	Empty
b	Empty	Vistusertib	GDC-0349	WAY-600	CZC24832	Skepinone-L	Dynasore	Nutlin (3b)	Hesperidin	BD-AcAc 2	BIO-acetoxime	Empty
c	Empty	Capivasertib	Quisinostat	NG25	SL327	SB 415286	Selisistat	Selisistat S-enantiomer	Selisistat R-enantiomer	Triciribine	CH5132799	Empty
d	Empty	IOX2	YS-49	Scriptaid	Tanzisertib	RGB-286638	RGB-286638 (free base)	Tenovin-6	Tenovin-6 (Hydrochloride)	OTSSP167 (hydrochloride)	CGK733	Empty
e	Empty	ETP-46464	AZ20	Vesatolimod	Encorafenib	GDC-0623	JNK-IN-7	FG-2216	Sodium phenylbutyrate	XMD17-109	Idasanutlin	Empty
f	Empty	PI4KIII beta inhibitor 3	Ripasudil	SMIP004	NU 7026	CDDO-Im	Afuresertib	Afuresertib (hydrochloride)	DB07268	AZD2858	Erastin	Empty
g	Empty	TAK-632	PF-4708671	WZ4003	Ulixertinib	Ulixertinib (hydrochloride)	BAY 87-2243	SAR-260301	YLF-466D	SF1670	HS-173	Empty
h	Empty	Inauhzin	TCS JNK 5a	DMOG	Voxtalisis	Ravoxertinib	Ravoxertinib hydrochloride	NVP-CGM097	NVP-CGM097 (sulfate)	Uprosertib	GSK2110183 analog 1 (hydrochloride)	Empty

Plate layout: HY-L045-8

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	APY0201	Citarinostat	Seviteronel	Domatinostat	Ricolinostat	Arglabin	AT13148	BIX 02565	CAL-130 (Hydrochloride)	DMAPT	Empty
b	Empty	EL-102	APTO-253	LY2090314	Phenformin (hydrochloride)	RG2833	Pilaralisib	Resveratrol	Deferasirox (Fe3+ chelate)	VS-5584	CNX-1351	Empty
c	Empty	Skp2 Inhibitor C1	SJ-172550	3CAI	Dafadine-A	AK-7	Nexturastat A	ZLN024 (hydrochloride)	Acumapimod	Seletalisib	Pexmetinib	Empty
d	Empty	Veledimex	PKC-IN-1	MC1568	CC-223	CC-115	CC-115 (hydrochloride)	RO8994	Agomelatine	Agomelatine (hydrochloride)	Duvelisib	Empty
e	Empty	Duvelisib (R enantiomer)	Deferasirox	Atazanavir (sulfate)	Benfotiamine	Ezetimibe	Rosiglitazone	Mefloquine (hydrochloride)	Metformin (hydrochloride)	MI-773	Clarithromycin	Empty
f	Empty	Berberine (chloride hydrate)	Chloroquine (diphosphate)	Daprodustat	Dapansutrile	Edasalonexent	Edonepic maleate	Leniolisib	Tenalisib	Verdiperstat	Quercetin	Empty
g	Empty	LCZ696	B-Raf IN 1	Berberine (chloride)	Longdaysin	SB 242235	mTOR inhibitor-3	TMP269	TMP195	CAY10603	Nodinitib-1	Empty
h	Empty	Ro 5126766	Siremadlin	BRD73954	BG45	Lipoic acid	Pyrrolidinediethiocarbamate (ammonium)	Phorbol 12-myristate 13-acetate	BQR-695	KC7F2	MAPK13-IN-1	Empty

Plate layout: HY-L045-9

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	p38- $\alpha$ MAPK-IN-1	DEL-22379	CBL0137 hydrochloride	Selonsertib	GSK2795039	BI-847325	Lifirafenib	TAS-301	PLX8394	Dp44mT	Empty
b	Empty	UF010	Anisomycin	Phorbol 12,13-dibutyrate	SAR405838	PLX7904	LMK-235	PF-06282999	Ceralasertib	(S)-Ceralasertib	ACY-738	Empty
c	Empty	ACY-775	TMS	Compound 401	Pimelic Diphenylamide 106	BML-210	Nemiralisib	PF-06260933	NQDI-1	Oxypurinol	Tauroursodeoxycholate (Sodium)	Empty
d	Empty	Tauroursodeoxycholate dihydrate	trans-Zeatin	LJH685	LJI308	Miransertib	NK-252	HPOB	Sirtuin modulator 1	BEBT-908	HDAC-IN-3	Empty
e	Empty	STO-609	Indirubin-3'-monoxime	PRT4165	SC66	GDC-0084	YU238259	3-Bromopyruvic acid	ML264	Pictilisib (dimethanesulfonate)	Methoxsalen	Empty
f	Empty	Xanthotoxol	Cot inhibitor-1	Cot inhibitor-2	Triptolide	Pictilisib	CI-1040	A-769662	Nutlin (3)	Selumetinib	Selumetinib (sulfate)	Empty
g	Empty	KU-0063794	SCH772984	Akt1 and Akt2-IN-1	GDC-0879	Perifosine	Temsirolimus	Tacedinaline	PLX-4720	CMK	FMK	Empty
h	Empty	Galeterone	Abiraterone	p53 and MDM2 proteins-	p53 and MDM2 proteins-	Buparlisib	Abiraterone (acetate)	Methyl vanillate	Bergaptol	Cysteamine hydrochloride	(R)-(-)-Ibuprofen	Empty

Plate layout: HY-L045-10

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	Hexaconazole	Benzenebutyric acid	Artemisinin	Ketoconazole	(+)-Ketoconazole	Nicotinamide	L-Ascorbic acid	L-Ascorbic acid sodium salt	Imiquimod	Imiquimod (hydrochloride)	Empty
b	Empty	Lidocaine	Lidocaine (hydrochloride)	Acetylcysteine	Allopurinol	Gemfibrozil	Erdosteine	Cromolyn (sodium)	Triamcinolone	Lacidipine	Sodium Butyrate	Empty
c	Empty	Memantine (hydrochloride)	Bromhexine (hydrochloride)	Hydralazine (hydrochloride)	Bufexamac	Methylthiourea	Allylthiourea	Nitisinone	Butylphthalide	Dapsone	Ecabet (sodium)	Empty
d	Empty	Ingenol Mebutate	Doxepin (Hydrochloride)	SU6656	MHY1485	Oxaprozin	Tebuconazole	Danthron	Ascorbyl palmitate	Deferoxamine (mesylate)	Adelmidrol	Empty
e	Empty	Butylhydroxynisole	Tilorone (dihydrochloride)	Glucosamine	Benzbromarone	Sulfaphenazole	Flufenamic acid	Metyrapone	Salsalate	Proadifen (hydrochloride)	Proglumide	Empty
f	Empty	Hydroxychloroquine sulfate	Ethoxyquin	( $\pm$ )-Carnitine (chloride)	Chlorzoxazone	Tranlycypromine (hemisulfate)	Phenanthrene	Menadiolone bisulfite (sodium)	Carbosulfan	S-Methyl-L-cysteine	Dimemorfan (phosphate)	Empty
g	Empty	Hinokitiol	Riboflavin Tetrabutylate	Glutathione oxidized	Sodium orthovanadate	Methoxy-PMS	H2DCFDA	Honokiol	Oridonin	Curcumin	Icariin	Empty
h	Empty	Echinacoside	Verbascoside	Albiflorin	Ginsenoside Rb1	Ginsenoside Rd	Ginsenoside Re	Ginsenoside Rg1	Chlorogenic acid	Isochlorogenic acid A	Ferulic acid (sodium)	Empty

Plate layout: HY-L045-11

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	Ethyl ferulate	Macelignan	Sarsasapogenin	Ginkgolic Acid	Schisandrin B	Naringenin	Sophocarpine	Rhein	Cyclovirobuxine D	Salidroside	Empty
b	Empty	Dihydromyricetin	Naringin Dihydrochalcone	Diosmetin	Troxeutin	Parthenolide	Quercetin (dihydrate)	Rutin	Naringin	Neohesperidin dihydrochalcone	Nobiletin	Empty
c	Empty	Hesperetin	Indole-3-carbinol	Dihydroartemisinin	Fisetin	Esculin	Andrographolide	Baicalein	Baicalin	Atractylenolide I	Epiberberine (chloride)	Empty
d	Empty	Bakuchiol	Fraxinellone	Saikosaponin D	Echinocystic acid	Caffeic acid phenethyl ester	Cardamonin	Daphnetin	Esculetin	Mangiferin	Paeoniflorin	Empty
e	Empty	Protocatechu aldehyde	Stachydrine	alpha-Mangostin	Eugenol	Cynarin	Dihydrotanshinone I	Bergapten	Pachymic acid	Liquiritin	Rhynchophylline	Empty
f	Empty	Polygalasaponin F	Picoside II	Trigonelline chloride	Quercitrin	Astragaloside IV	Engeletin	Asiaticoside	Sinapine (thiocyanate)	Cichoric Acid	Tyrosol	Empty
g	Empty	Phillyrin	Phillygenin	L-Leucine	$\alpha$ -Lipoic Acid	Gentiopicroside	Astilbin	Calycosin-7-O- $\beta$ -D-glucoside	Gallic acid	Morrisonide	Limonene	Empty

h	Empty	Oroxylin A	Apigenin 7-glucoside	Fraxin	Hydrocortison e	Ginsenoside F1	Ginsenoside Rg2	20(S)-Ginsenoside Rg3	Morusin	Maslinic acid	Eriodictyol	Empty
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**Plate layout: HY-L045-12**

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	Carnosol	Carnosic acid	(+)-Usnic acid	Amentoflavone	Dehydrocorydaine (chloride)	Pyridoxine (hydrochloride)	α-Vitamin E	rel-α-Vitamin E	Schisandrin A	Schisantherin A	Empty
b	Empty	Vanillic acid	Berbamine (dihydrochloride)	Neochlorogenic acid	Glucosamine (hydrochloride)	Stachydrine hydrochloride	Scutellarin	Isovitexin	Isorhamnetin	Isosilybin	Eupatilin	Empty
c	Empty	Ginkgolide C	Protopine	Procyanidin B2	(20S)-Protopanaxadiol	Phytic acid	Resibufogenin	Shikonin	Ingenol	Isosteviol	AKBA	Empty
d	Empty	Tetrahydrocumin	Octahydrocumin	Ginsenoside C-K	Hexahydrocumin	Santacruzamate A	Apigenin	Squalene	Reynoutrin	Magnolol	Guaiacol	Empty
e	Empty	trans-Trimethoxyresveratrol	1,3-Dicaffeoylquinic acid	Glycoursodeoxycholic acid	14-Deoxy-11,12-didehydroand	Loureirin B	3,4-Dimethoxycinnamic acid	4-Hydroxyphenylacetic acid	Danshensu	Dihydrocoumarin	Homoplantaginin	Empty
f	Empty	Veratric acid	Methyl gallate	Octyl gallate	Cedrol	Mogrol	Piperlongumine	Amarogentin	4-Methylesculetin	7-Methoxyisoflavone	Ethyl Caffeate	Empty
g	Empty	Nerol	Erucic acid	Hydrocortison ecypionate	BF738735	GENE 220 (Hydrochloride)	3BDO	Neoseptin 3	Skatole	Phloracetophenone	Olivetol	Empty
h	Empty	Glutaric acid	Sinapinic acid	L-Methionine sulfoxide	Citronellol	8-Hydroxy-2'-deoxyguanosine	3-Indolepropionic acid	2-Benzoxazolinone	Methyl cinnamate	Ferulic acid methyl ester	Chelidonic acid	Empty

**Plate layout: HY-L045-13**

	1	2	3	4	5	6	7	8	9	10	11	12
a	Empty	Methyl 3,4-dihydroxybenzoate	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
b	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
c	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
d	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
e	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
f	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
g	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
h	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty