

J Kanno, K Aisaki, A Ono, K Igarashi, TO
XICOGENOMICS USING "PERCELLOME"
AND "MILLE-FEUILLE" DATA SYSTEM,
10th International Congress of Toxicology,
11-15 July, 2004; Tampere, Finland

鈴木孝昌、Palanisamy Rajaguru、小原有弘、
本間正充、林 真、高木篤也、菅野 純、
「GeneChip による遺伝子発現解析を用いてア
リストロキア酸による遺伝子傷害の臓器特異性
を予測可能か第 63 回日本癌学会学術総会、
2004 年 9 月 29 日～10 月 1 日、福岡

菅野 純、藤井寿一、菅野 仁、相崎健一、「
解糖系障害で誘導される赤芽球アポトーシス
と p53 の関連、p53 involvement in
glycolysis disorder-induced
apoptosis of erythroid cell」第 63 回日本癌学会
学術総会、2004 年 9 月 29 日～10 月 1 日、福
岡

Jun Kanno, Ken-ichi Aisaki, Katsuhide Igarashi,
Noriyuki Nakatsu, Atsushi Ono, Yukio Kodama
"Percellome" Analysis of Hormonally Active Comp
ounds. Toxicogenomics International Forum 2004,
12-13 October, 2004

五十嵐勝秀、高橋芳樹、菅野 純、内分泌かく乱
化学物質の胎児神経幹細胞に対する作用、第
27 回日本分子生物学会年会、2004 年 12 月 8
日～12 月 11 日、神戸

中津則之、相崎健一、小野 敦、五十嵐勝秀、児
玉幸夫、菅野 純、マウス肝臓におけるダイオキ
シン類による遺伝子発現変動解析、第 27 回日本
分子生物学会年会、2004 年 12 月 8 日～12 月
11 日、神戸

椎名博子、佐藤隆史、五十嵐勝秀、松本高広、
宮本純子、高田伊知郎、中村貴、盛真友、菅野
純、吉川裕之、加藤茂明、アンドロゲン受容体は
卵胞発育必須因子である、第 27 回日本分子生

物学会年会、2004 年 12 月 8 日～12 月 11 日、
神戸

高橋芳樹、五十嵐勝秀、菅野 純、マウス胎児神
経幹細胞の維持における DNA メチル化の役割、
第 27 回日本分子生物学会年会、2004 年 12 月 8
日～12 月 11 日、神戸

渡辺裕介、小久保博樹、宮川-富田幸子、五十
嵐勝秀、菅野純、相賀裕美子、マウス心臓おけ
る Notch1 シグナリングの機能解析、2004 年 12 月
8 日～12 月 11 日、神戸

Jun Kanno, Ken-ichi Aisaki, Katsuhide Igarashi,
Noriyuki Nakatsu, Atsushi Ono, Yukio Kodama,
"Percellome" method application to the analysis of
hormonally active compounds and
its possible contribution to the ecotoxicogenomics.
環境ホルモン学会第 7 回研究発表会、2004 年
12 月 15 日、名古屋

菅野 純、相崎健一、小野 敦、中津則之、児玉
幸夫、五十嵐勝秀、Percellome 手法を用いたトキ
シコゲノミクス研究、日本薬学会関東支部第 29
回学術講演会、2005 年 1 月 18 日、つくば

H. 知的財産所有権の出願・登録状況(予定も含む)

1. 特許取得
なし
2. 実用新案登録
なし
3. その他
国内特許申請中(特願 2003-317031、特
願 2004-219285)

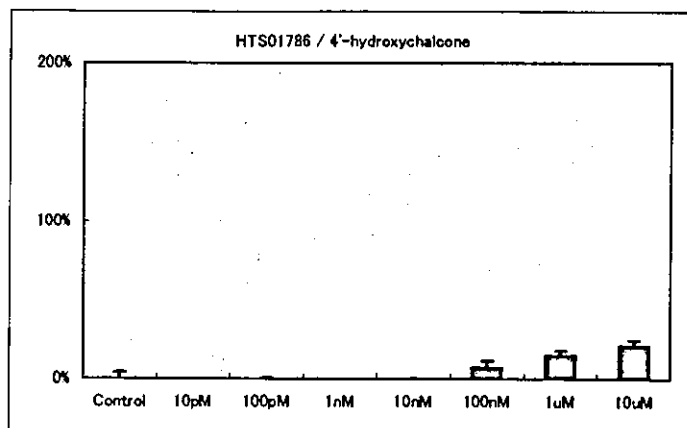
厚生労働化学研究費補助金(化学物質リスク研究事業)
総括研究報告書 図表

(2)-1.レポーター遺伝子導入ヒト由来培養細胞株を用いた超高速分析法に関する試験研究
(主任研究者:(財)化学物質評価研究機構委託業務)

ER α /HeLa

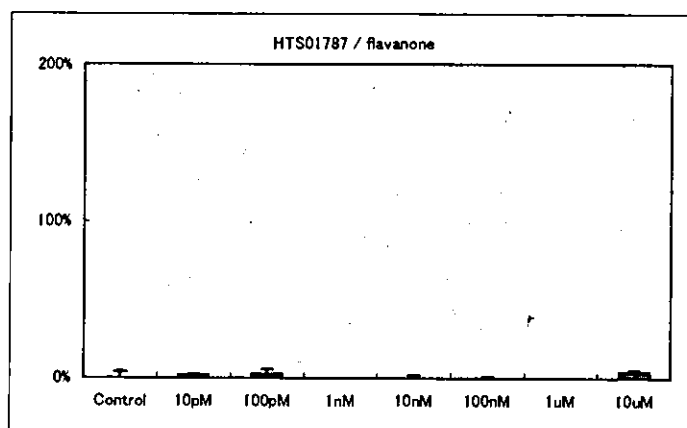
HTS01786
4'-hydroxychalcone

PC50 (pM): -



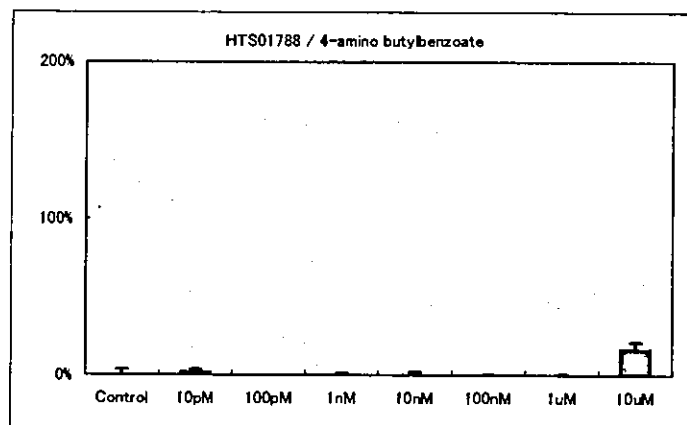
HTS01787
flavanone

PC50 (pM): -



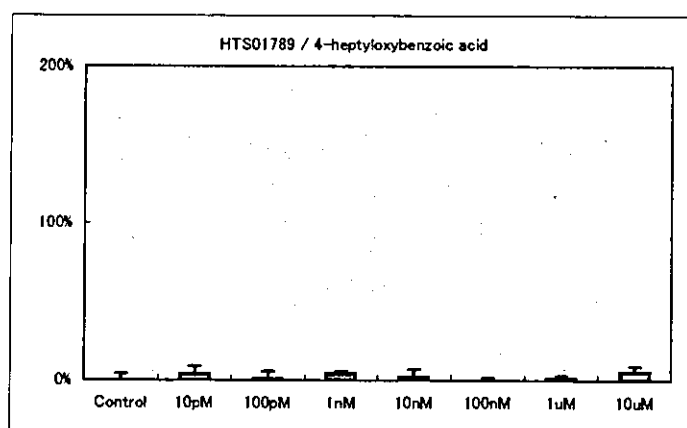
HTS01788
4-amino butylbenzoate

PC50 (pM): -



HTS01789
4-heptyloxybenzoic acid

PC50 (pM): -



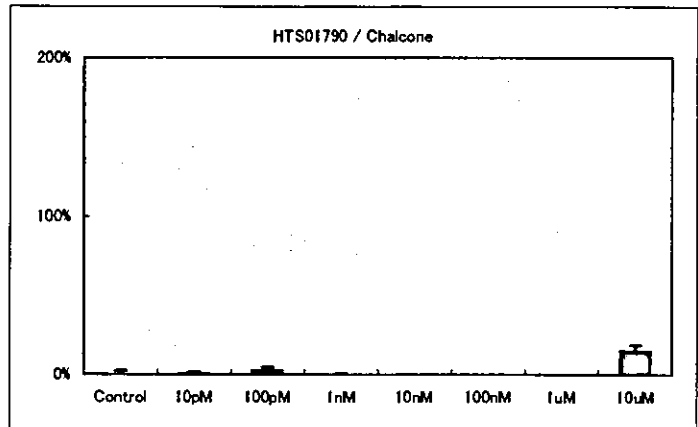
ER α /HeLa

HTS01790

Chalcone

PC50 (pM):

—

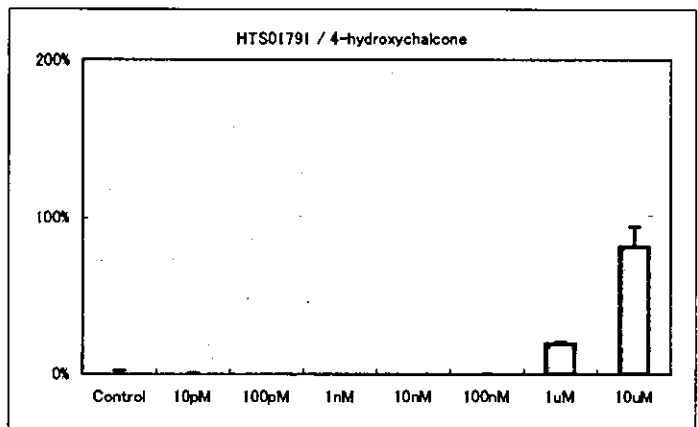


HTS01791

4-hydroxychalcone

PC50 (pM):

3.11E+06

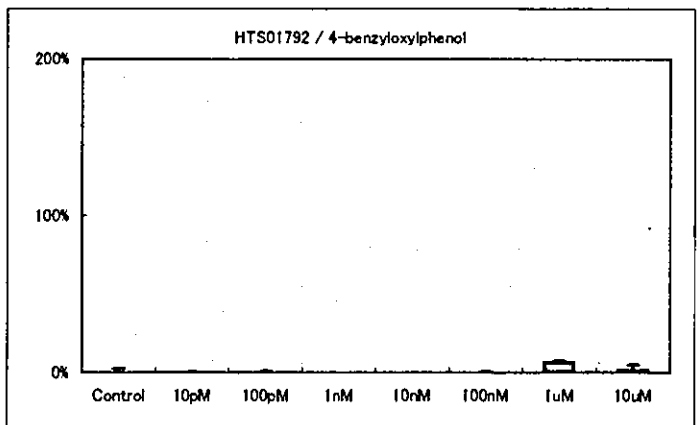


HTS01792

4-benzyloxyphenol

PC50 (pM):

—

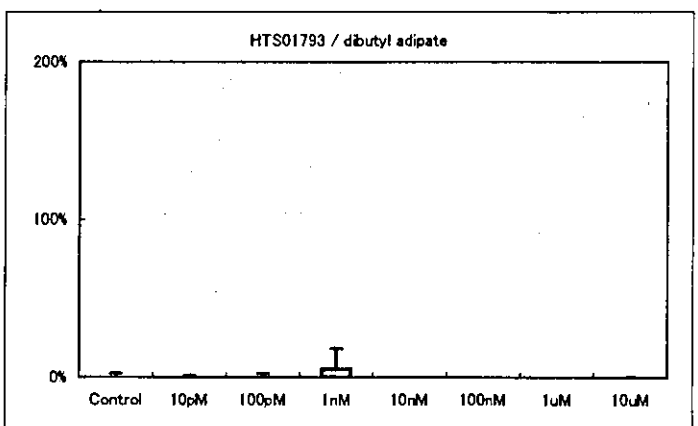


HTS01793

dibutyl adipate

PC50 (pM):

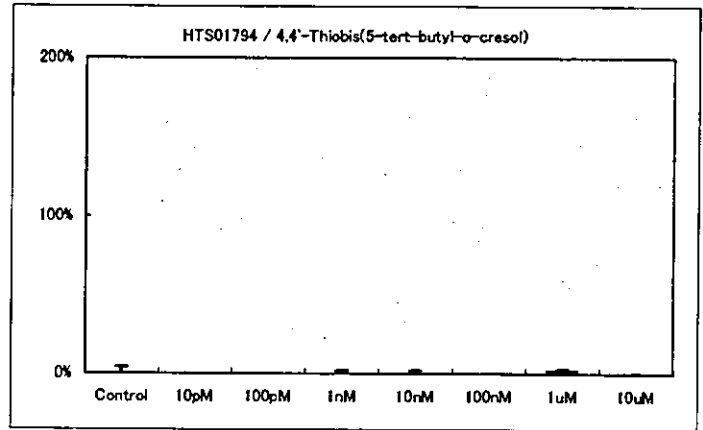
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ER α / HeLa

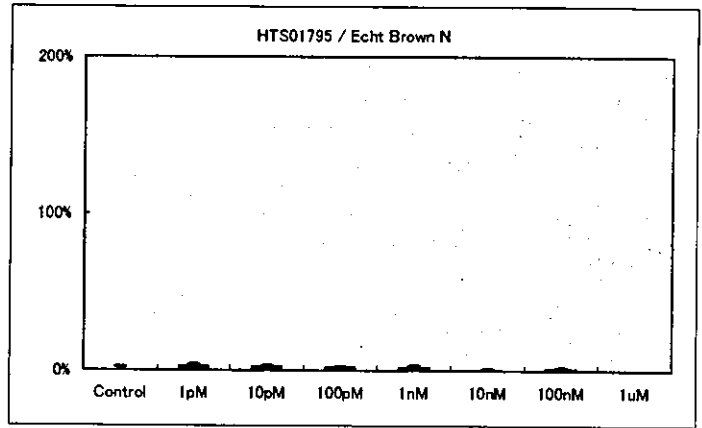
HTS01794
4,4'-Thiobis(5-tert-butyl-o-cresol)

PC50 (pM): -



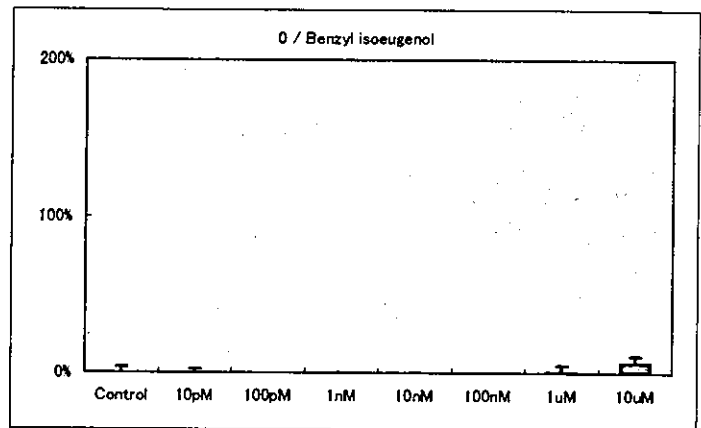
HTS01795
Echt Brown N

PC50 (pM): -



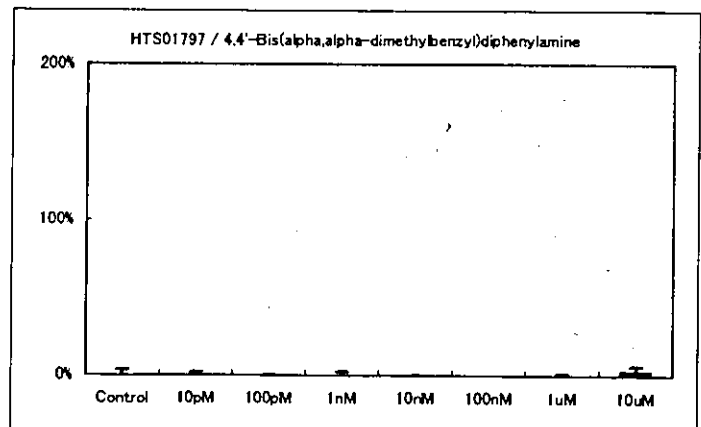
HTS01796
Benzyl isoeugenol

PC50 (pM): -



HTS01797
4,4'-Bis(alpha,alpha-dimethylbenzyl)diphenylamine

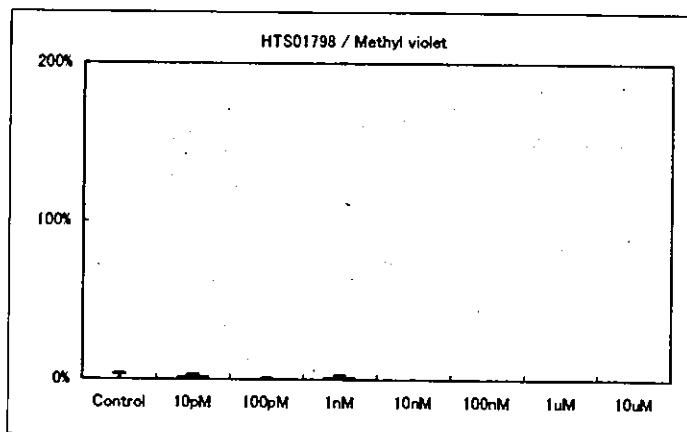
PC50 (pM): -



ER α / HeLa

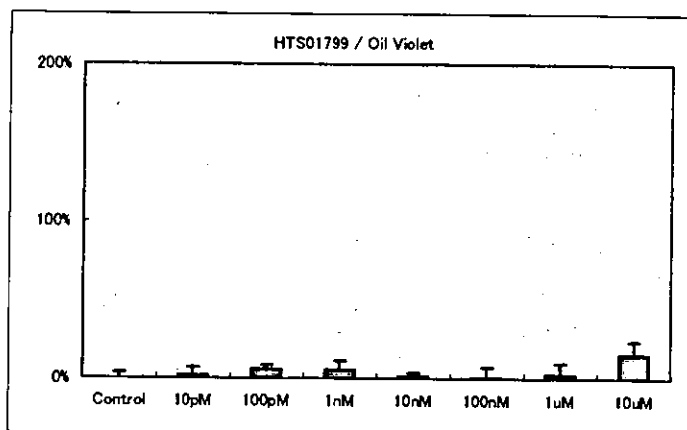
HTS01798
Methyl violet

PC50 (pM): -



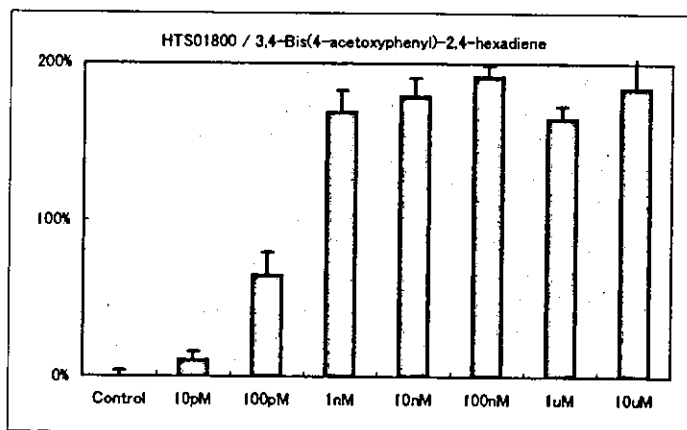
HTS01799
Oil Violet

PC50 (pM): -



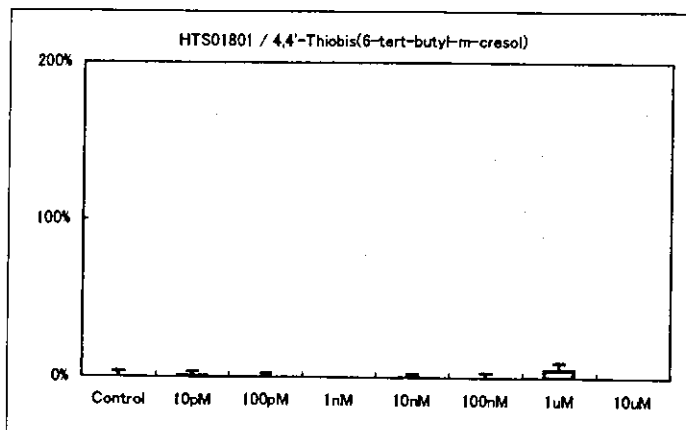
HTS01800
3,4-Bis(4-acetoxyphenyl)-2,4-hexadiene

PC50 (pM): 5.37E+01



HTS01801
4,4'-Thiobis(6-tert-butyl-m-cresol)

PC50 (pM): -

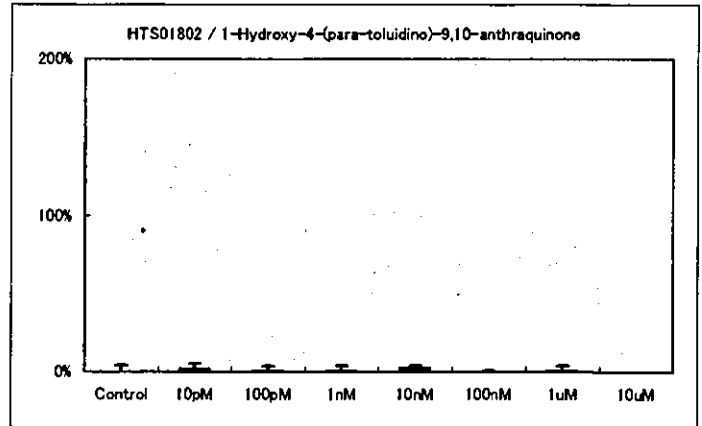


ER α / HeLa

HTS01802

1-Hydroxy-4-(para-toluidino)-9,10-anthraquinone

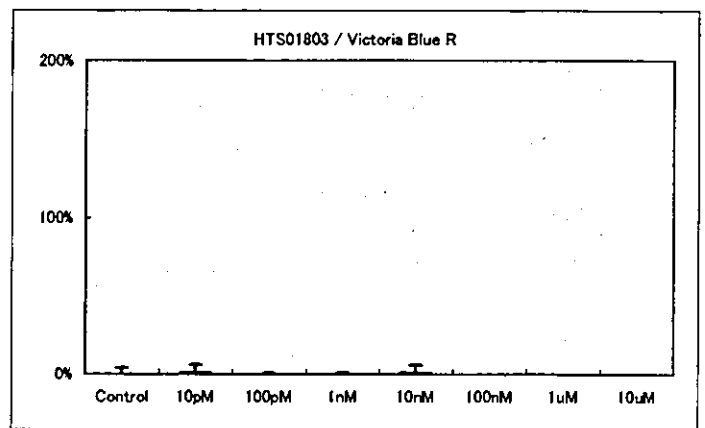
PC50 (pM): -



HTS01803

Victoria Blue R

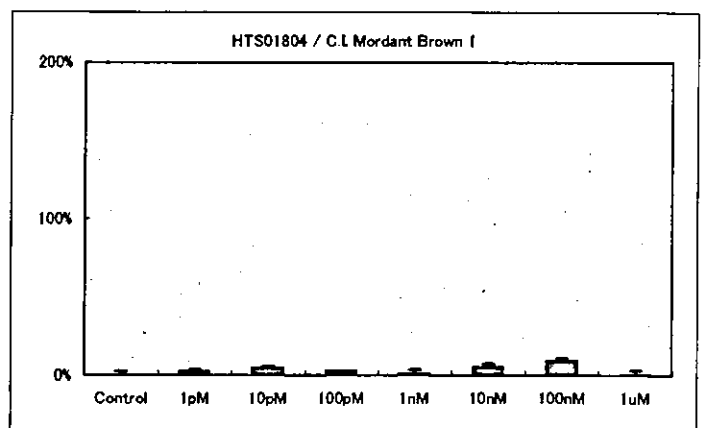
PC50 (pM): -



HTS01804

C.I. Mordant Brown 1

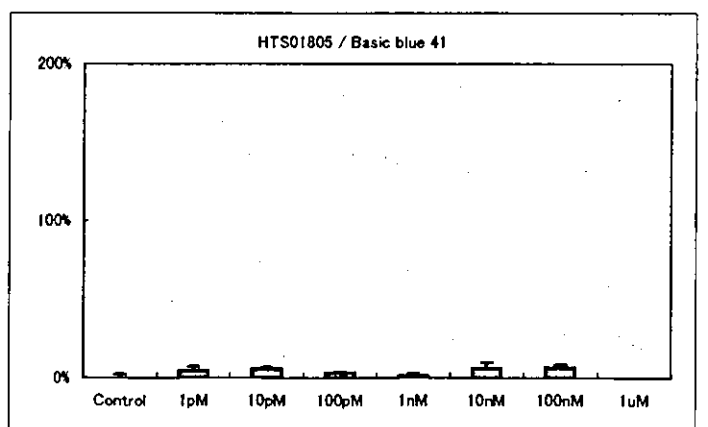
PC50 (pM): -



HTS01805

Basic blue 41

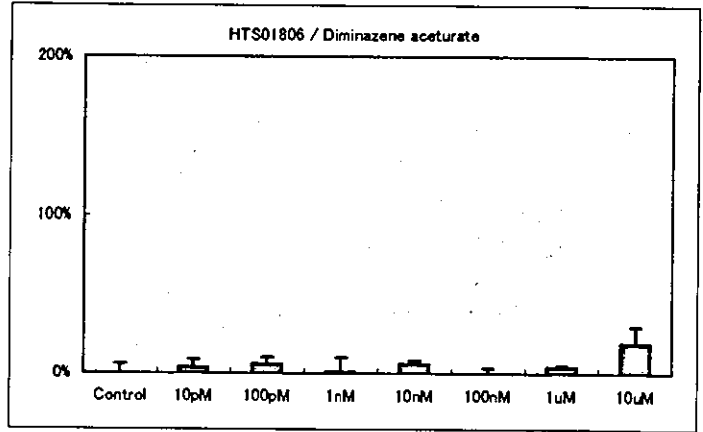
PC50 (pM): -



ER α /HeLa

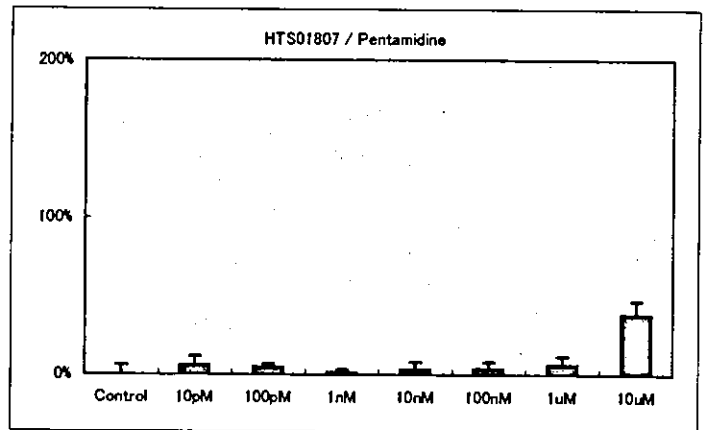
HTS01806
Diminazene aceturate

PC50 (pM): -



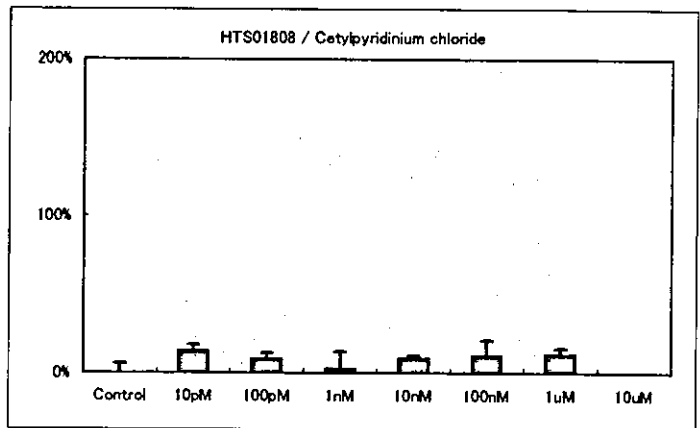
HTS01807
Pentamidine

PC50 (pM): -



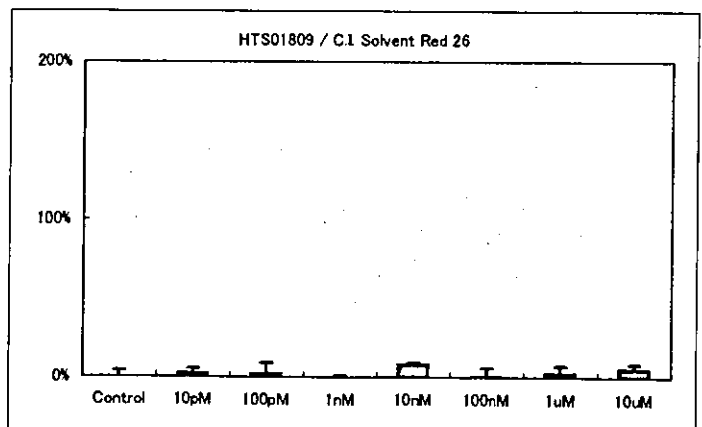
HTS01808
Cetylpyridinium chloride

PC50 (pM): -



HTS01809
C.I. Solvent Red 26

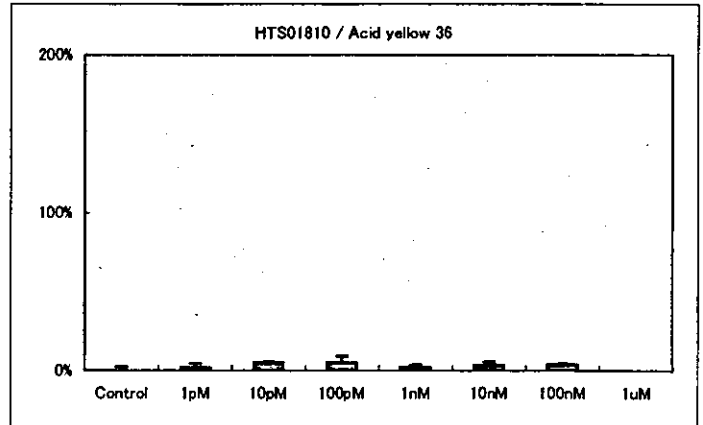
PC50 (pM): -



ER α /HeLa

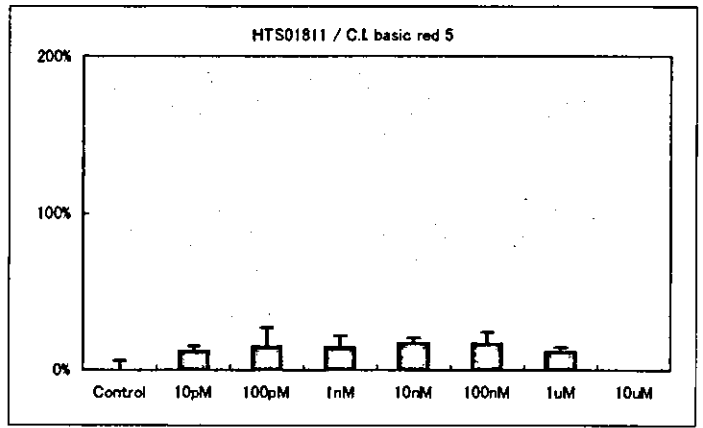
HTS01810
Acid yellow 36

PC50 (pM): -



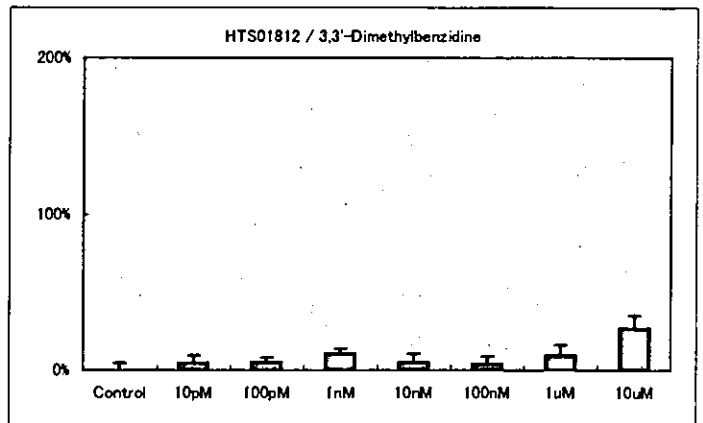
HTS01811
C.I. basic red 5

PC50 (pM): -



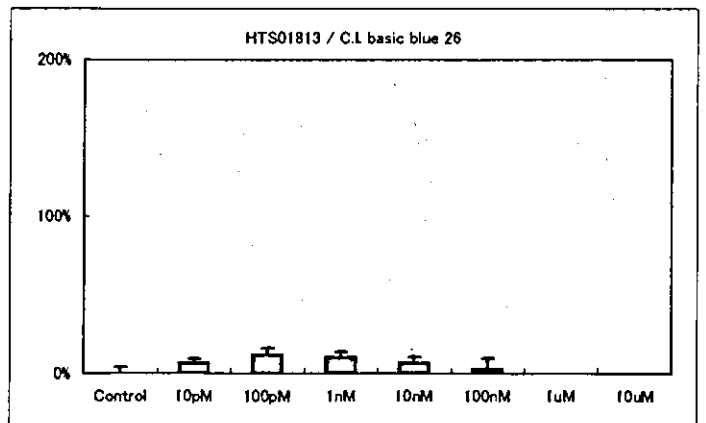
HTS01812
3,3'-Dimethylbenzidine

PC50 (pM): -



HTS01813
C.I. basic blue 26

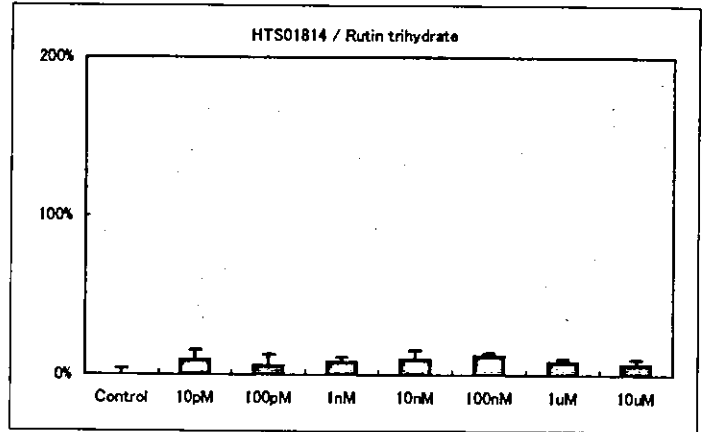
PC50 (pM): -



ER α /HeLa

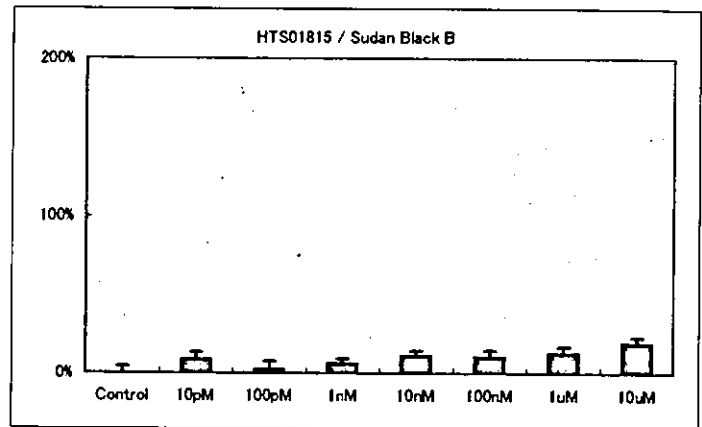
HTS01814
Rutin trihydrate

PC50 (pM): -



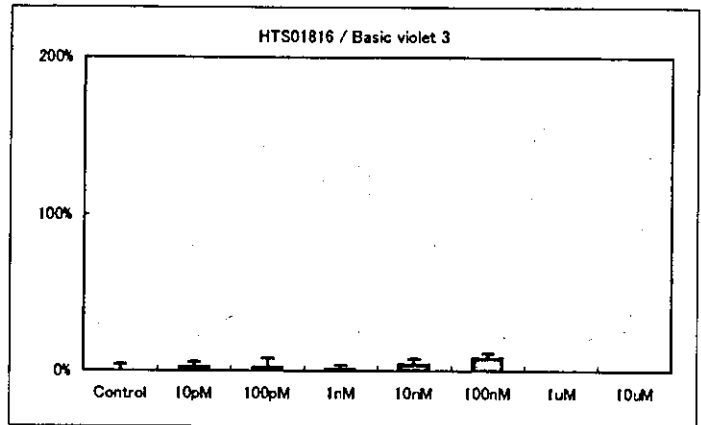
HTS01815
Sudan Black B

PC50 (pM): -



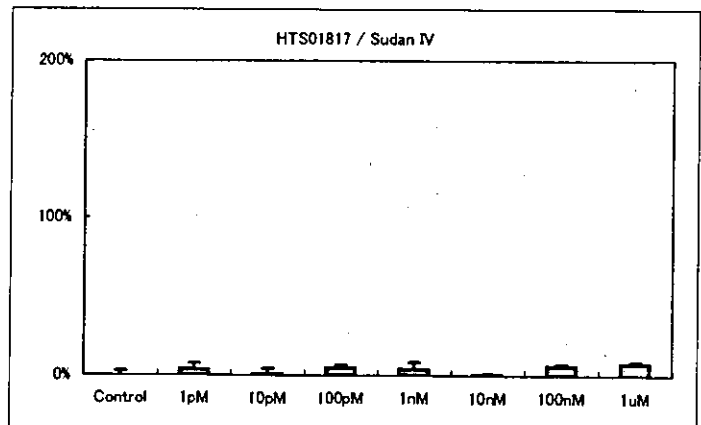
HTS01816
Basic violet 3

PC50 (pM): -



HTS01817
Sudan IV

PC50 (pM): -

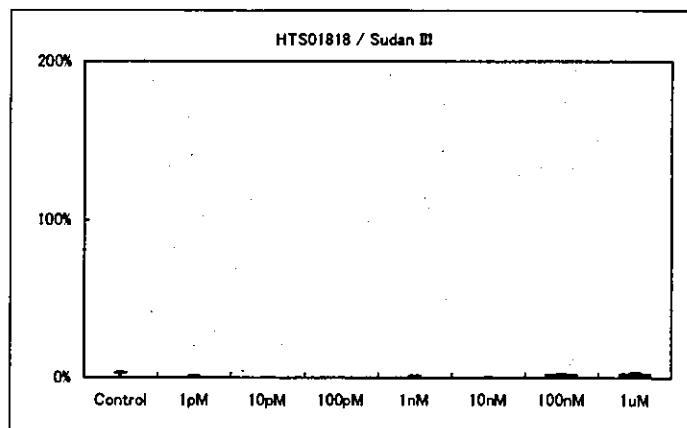


ER α /HeLa

HTS01818

Sudan III

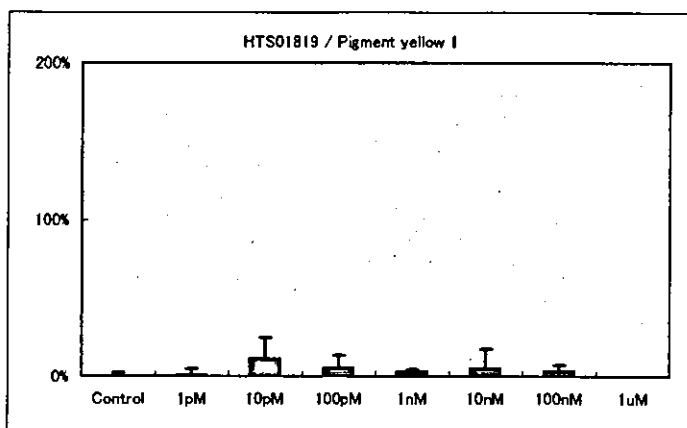
PC50 (pM): -



HTS01819

Pigment yellow 1

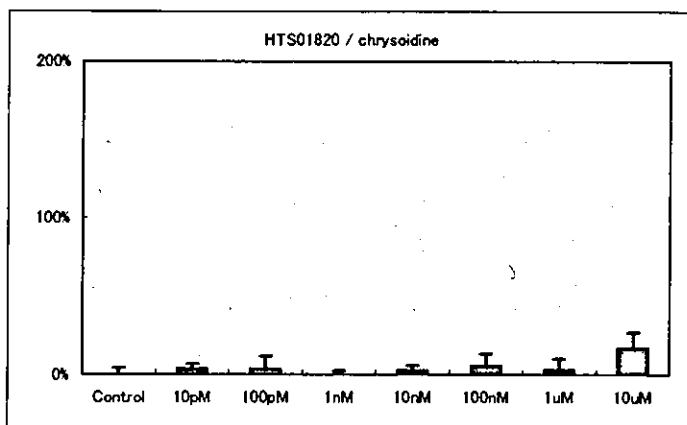
PC50 (pM): -



HTS01820

chrysoidine

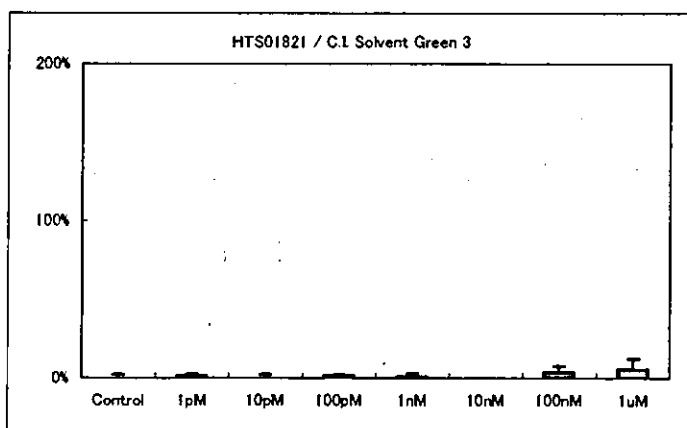
PC50 (pM): -



HTS01821

C.I. Solvent Green 3

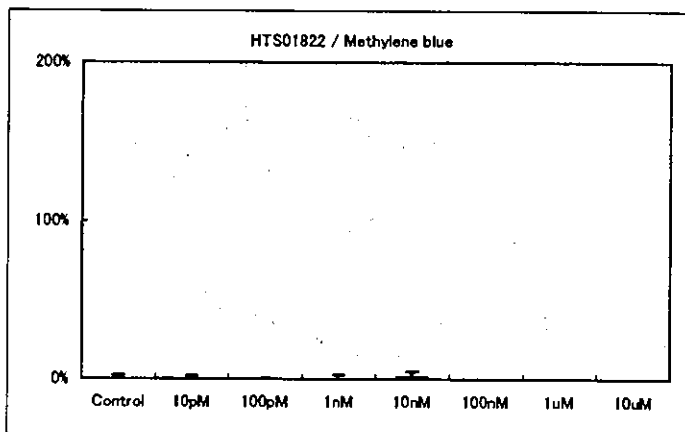
PC50 (pM): -



ER α /HeLa

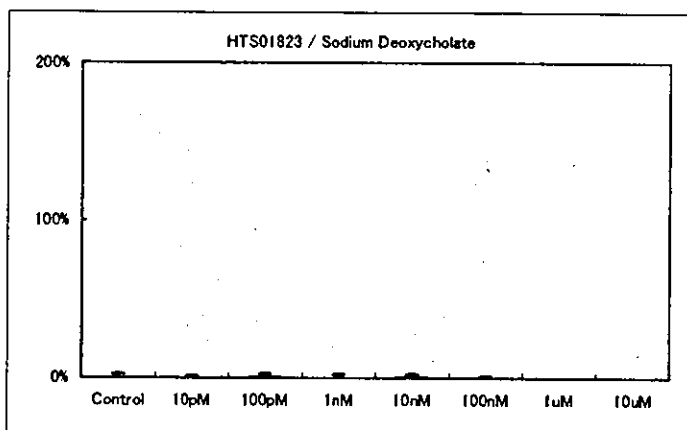
HTS01822
Methylene blue

PC50 (pM): -



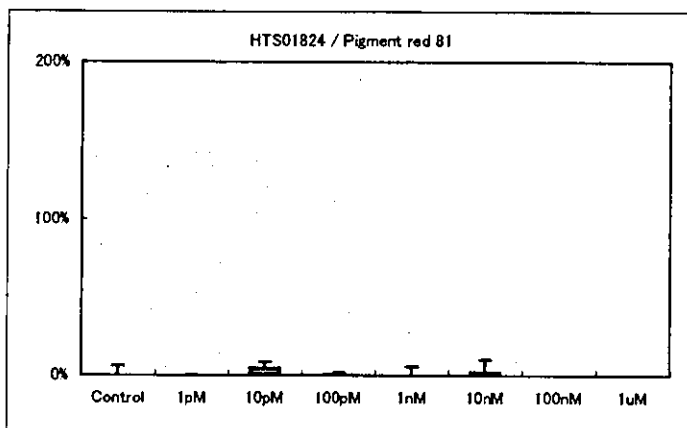
HTS01823
Sodium Deoxycholate

PC50 (pM): -



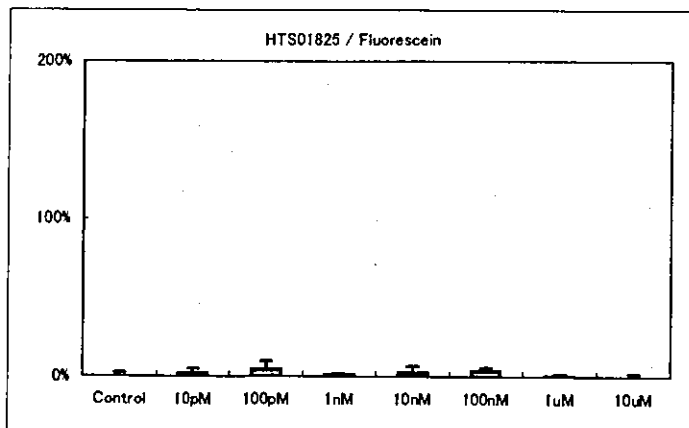
HTS01824
Pigment red 81

PC50 (pM): -



HTS01825
Fluorescein

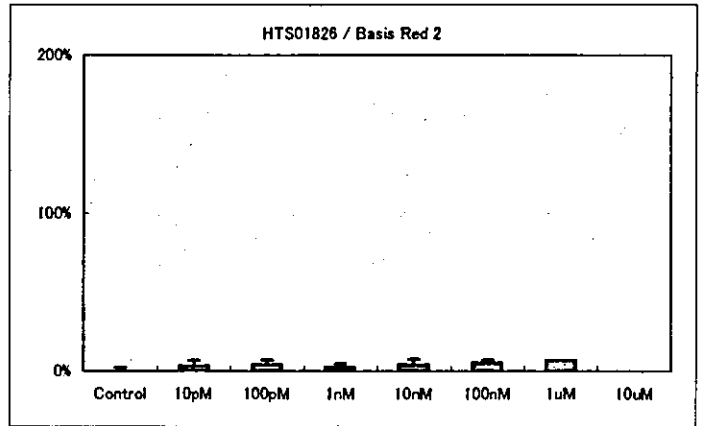
PC50 (pM): -



ER α /HeLa

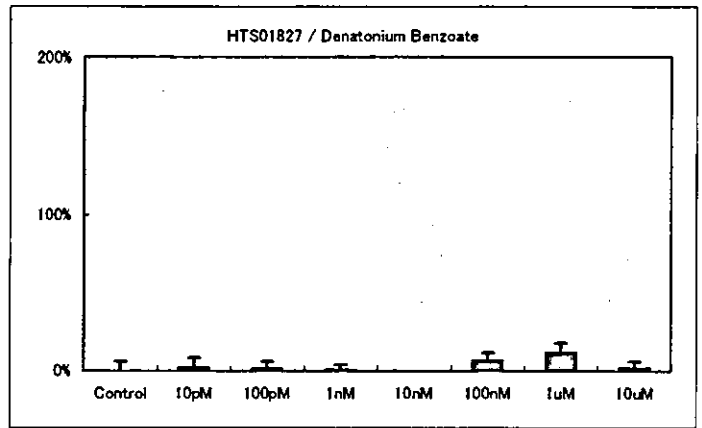
HTS01826
Basis Red 2

PC50 (pM): -



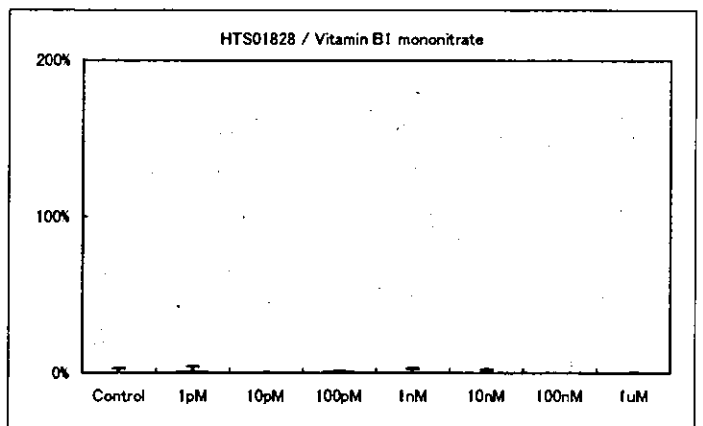
HTS01827
Denatonium Benzoate

PC50 (pM): -



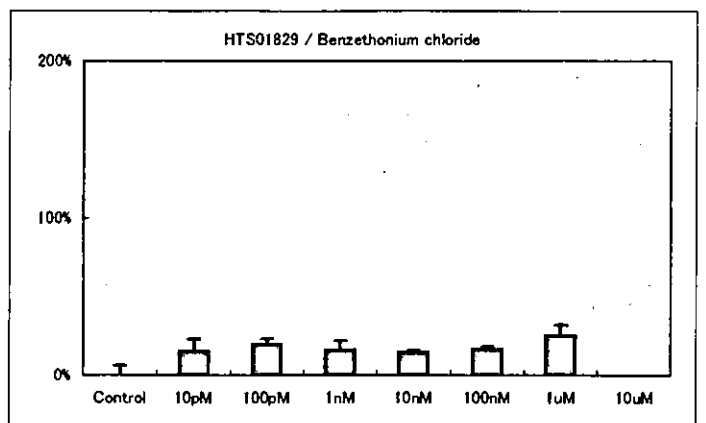
HTS01828
Vitamin B1 mononitrate

PC50 (pM): -



HTS01829
Benzethonium chloride

PC50 (pM): -

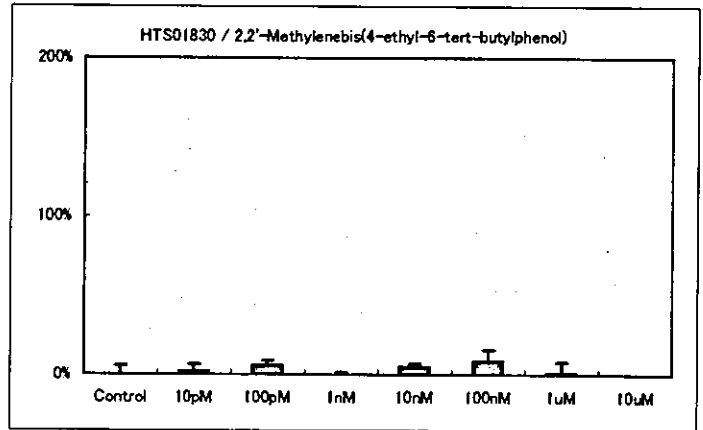


ER α /HeLa

HTS01830

2,2'-Methylenebis(4-ethyl-6-tert-butylphenol)

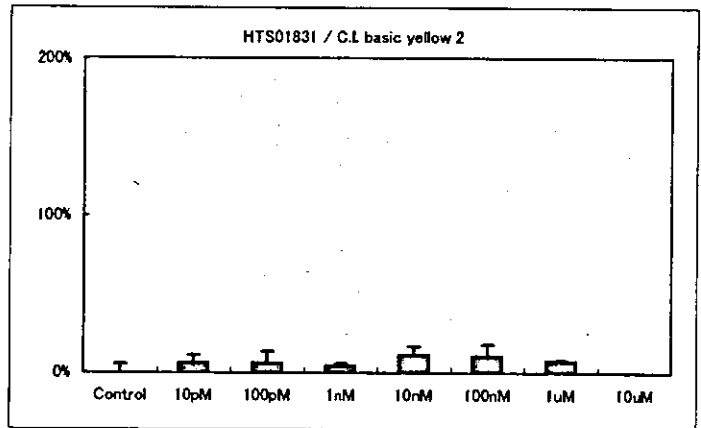
PC50 (pM): -



HTS01831

C.I. basic yellow 2

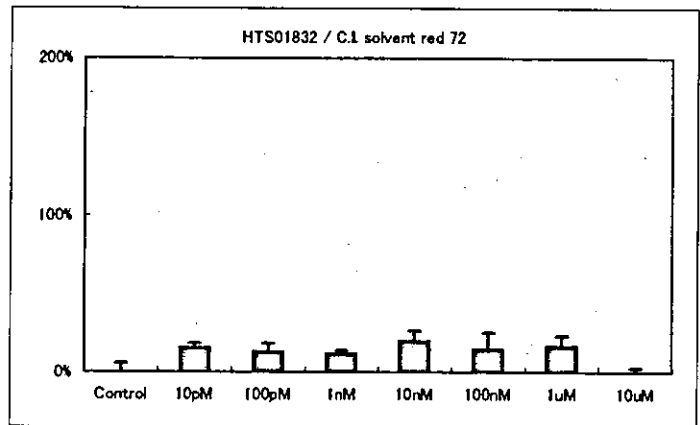
PC50 (pM): -



HTS01832

C.I. solvent red 72

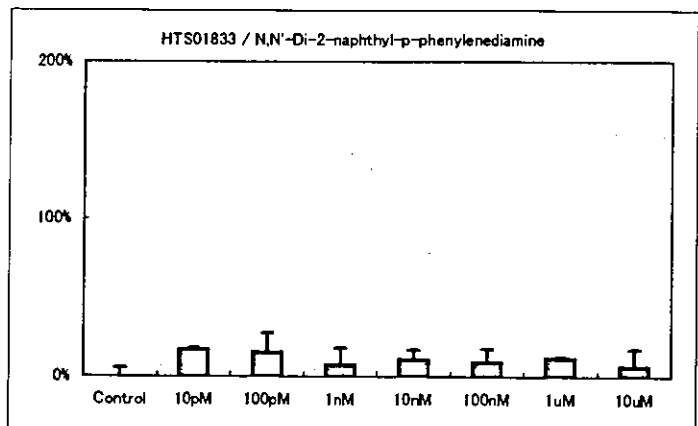
PC50 (pM): -



HTS01833

N,N'-Di-2-naphthyl-p-phenylenediamine

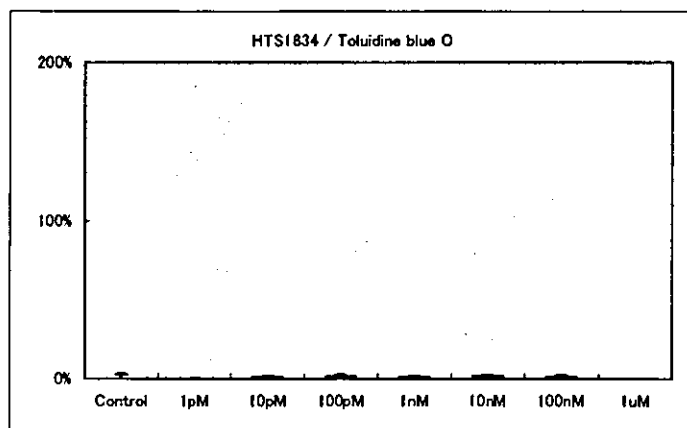
PC50 (pM): -



ER α /HeLa

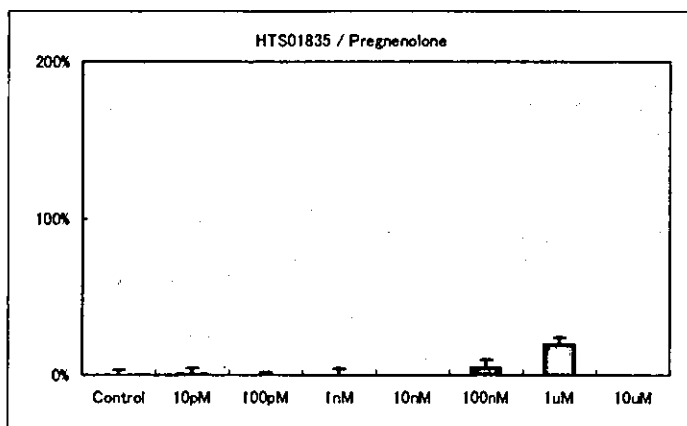
HTS1834
Toluidine blue O

PC50 (pM): -



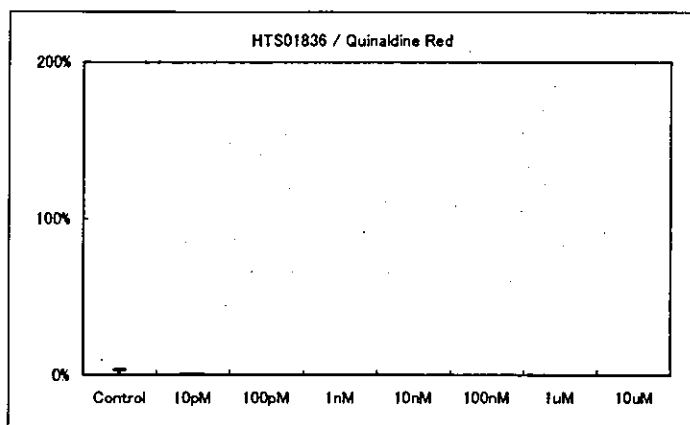
HTS01835
Pregnenolone

PC50 (pM): -



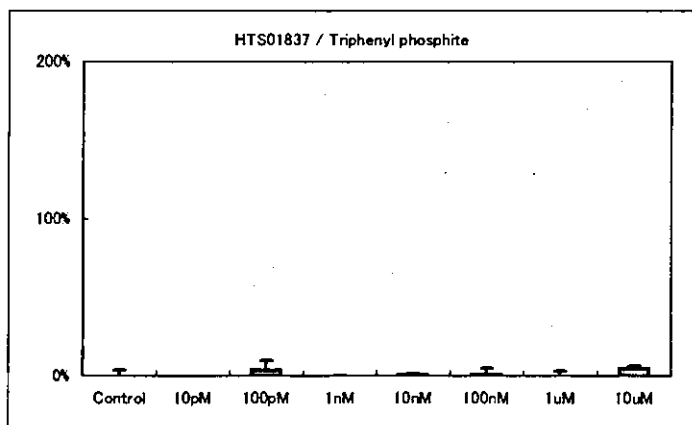
HTS01836
Quinaldine Red

PC50 (pM): -



HTS01837
Triphenyl phosphite

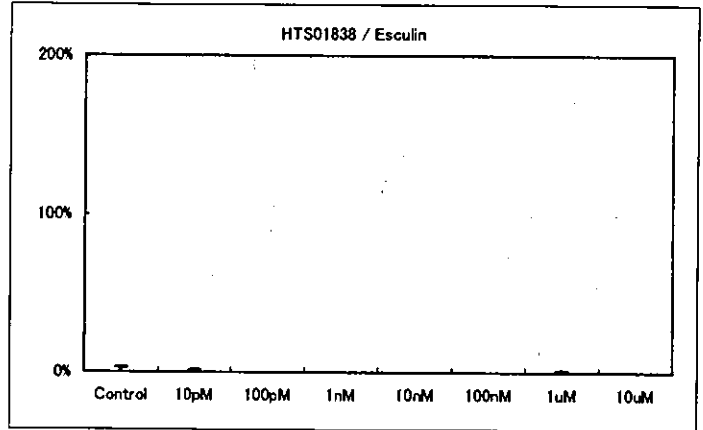
PC50 (pM): -



ER α /HeLa

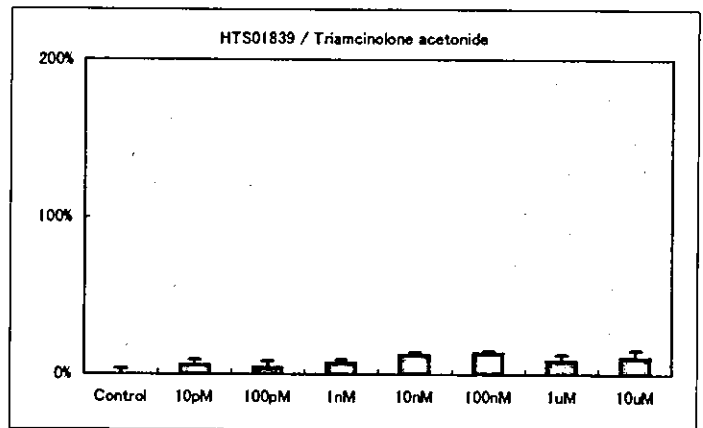
HTS01838
Esculin

PC50 (pM): -



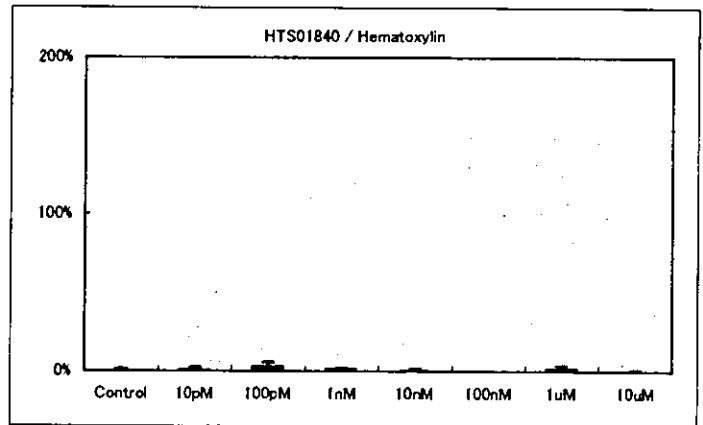
HTS01839
Triamcinolone acetonide

PC50 (pM): -



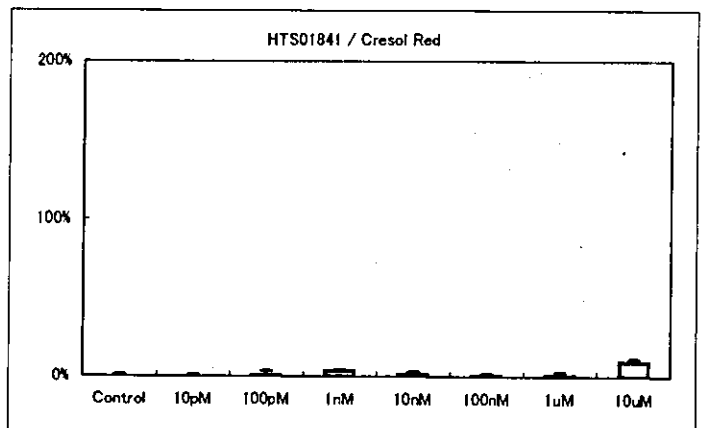
HTS01840
Hematoxylin

PC50 (pM): -



HTS01841
Cresol Red

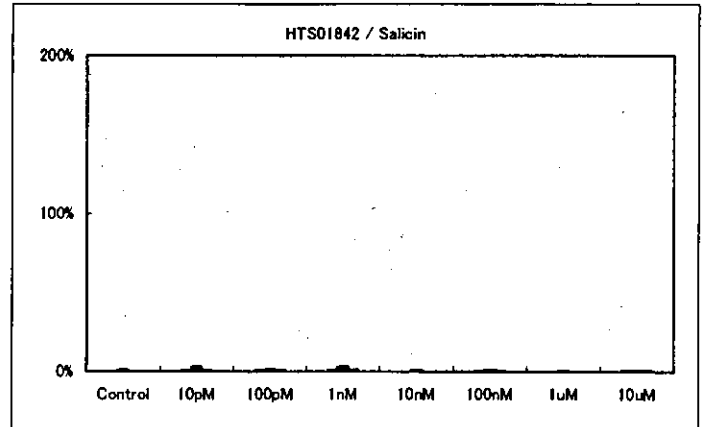
PC50 (pM): -



ER α /HeLa

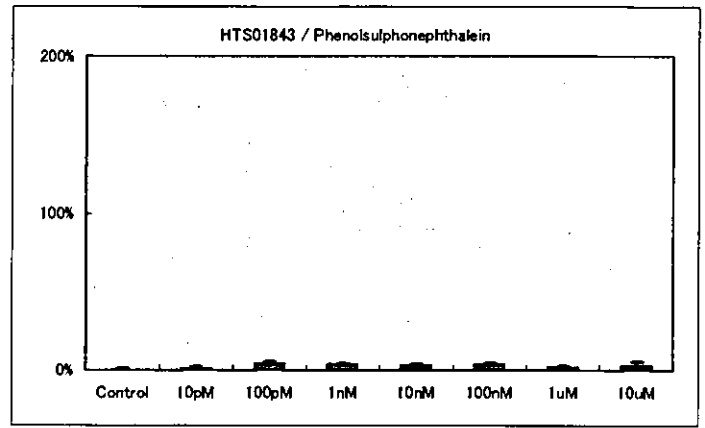
HTS01842
Salicin

PC50 (pM): -



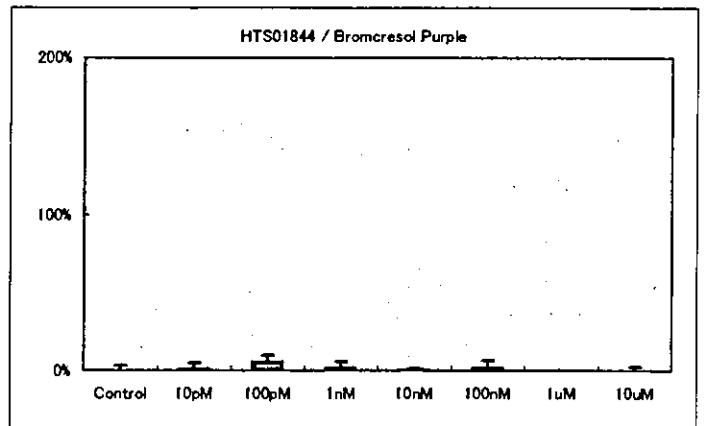
HTS01843
Phenolsulphonephthalein

PC50 (pM): -



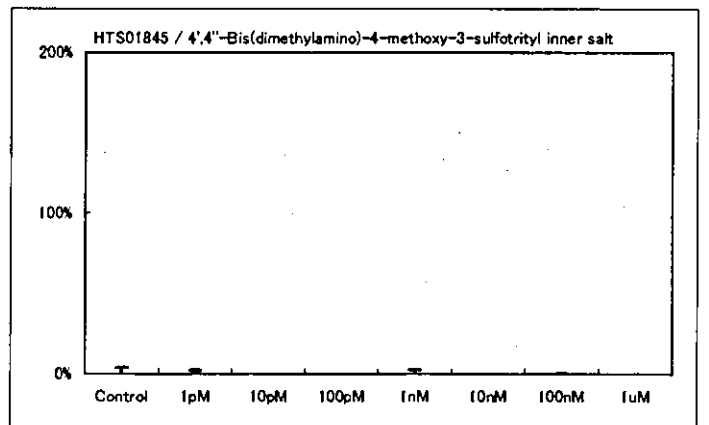
HTS01844
Bromcresol Purple

PC50 (pM): -



HTS01845
4',4''-Bis(dimethylamino)-4-methoxy-3-sulfotriptyl inner salt

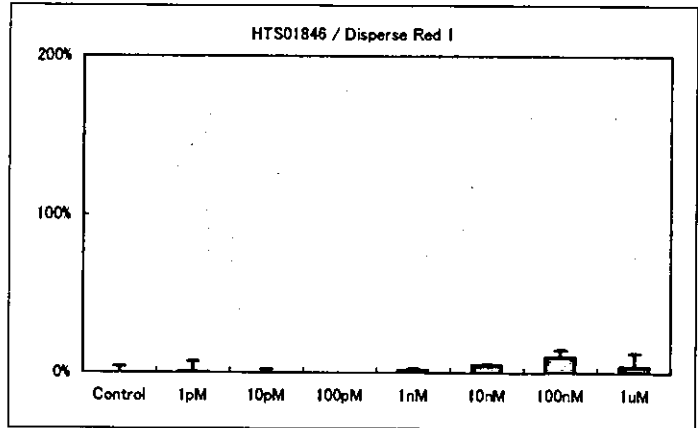
PC50 (pM): -



ER α /HeLa

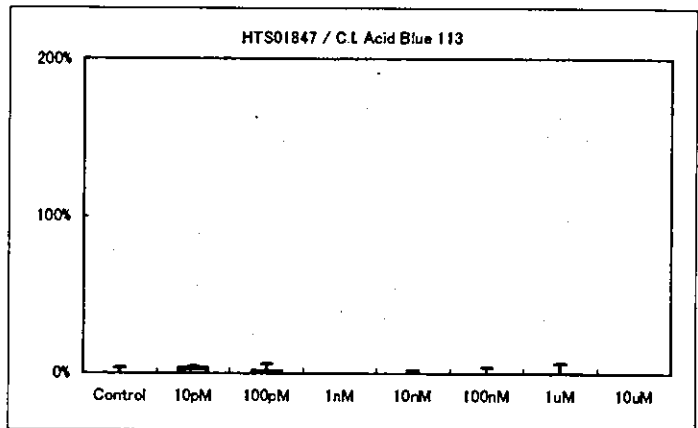
HTS01846
Disperse Red 1

PC50 (pM): -



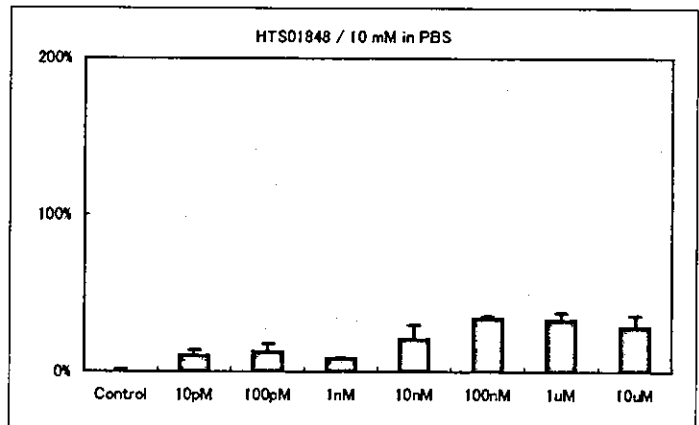
HTS01847
C.I. Acid Blue 113

PC50 (pM): -



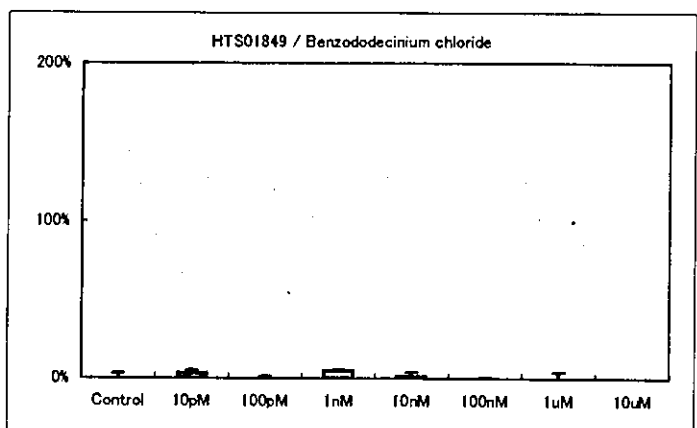
HTS1848
Prednisolone Sodium Phosphate

PC50 (pM): -



HTS01849
Benzododecinium chloride

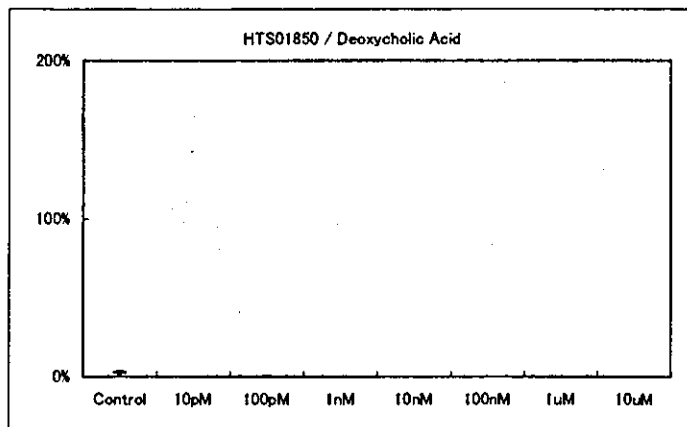
PC50 (pM): -



ER α / HeLa

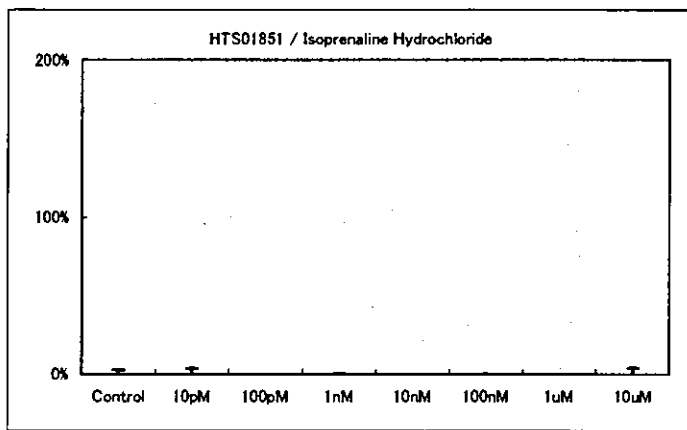
HTS01850
Deoxycholic Acid

PC50 (pM): -



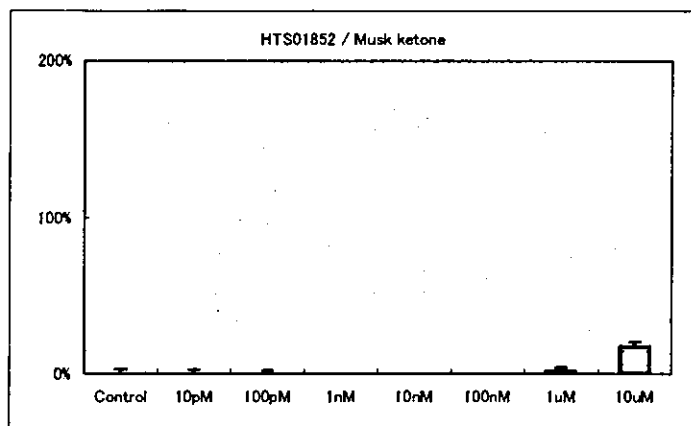
HTS01851
Isoprenaline Hydrochloride

PC50 (pM): -



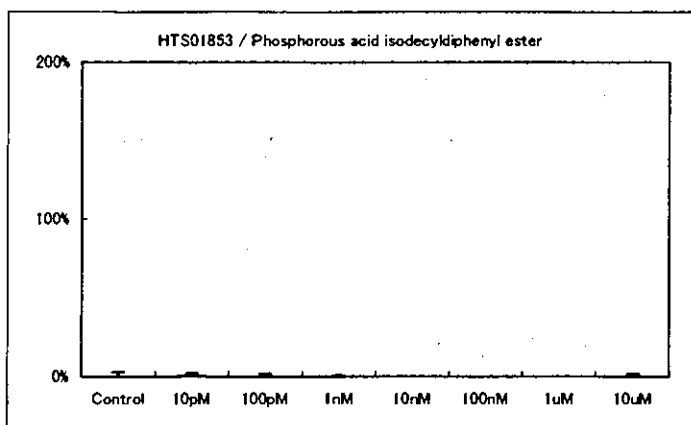
HTS01852
Musk ketone

PC50 (pM): -



HTS01853
Phosphorous acid isodecyldiphenyl ester

PC50 (pM): -

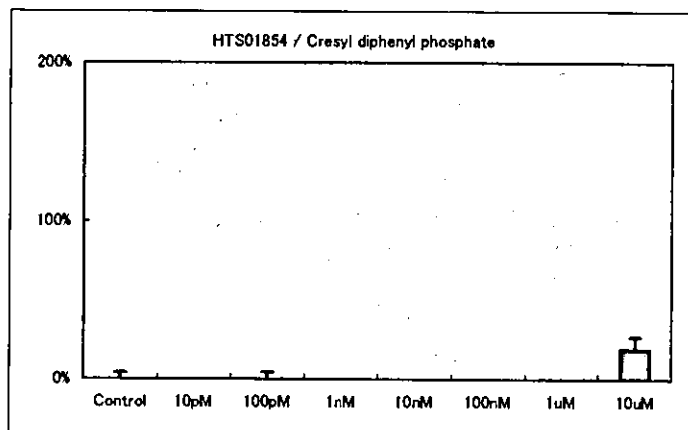


ER α / HeLa

HTS01854

Cresyl diphenyl phosphate

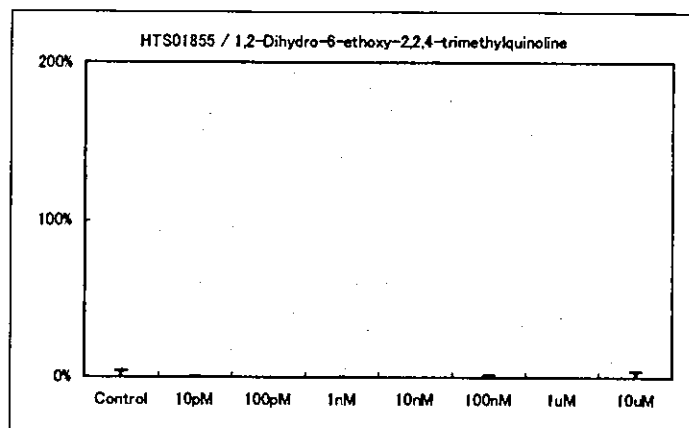
PC50 (pM): -



HTS01855

1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline

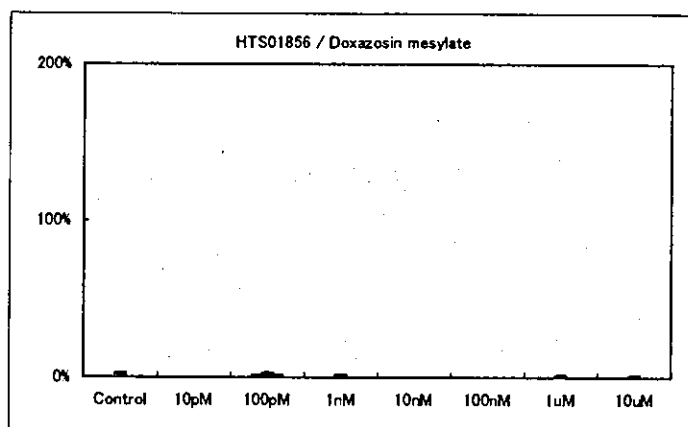
PC50 (pM): -



HTS01856

Doxazosin mesylate

PC50 (pM): -



HTS01857

Azodicarboxamide

PC50 (pM): -

