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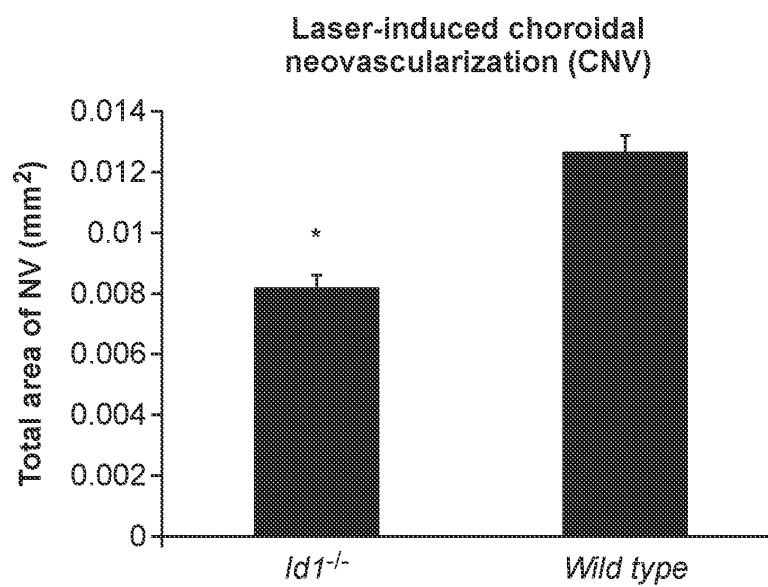


FIG. 1A

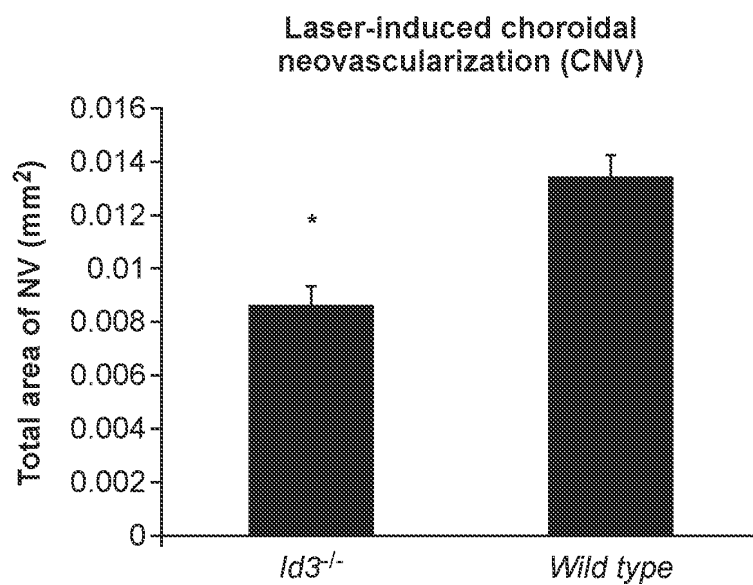


FIG. 1B

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## Ischemia-induced retinal neovascularization (RNV)

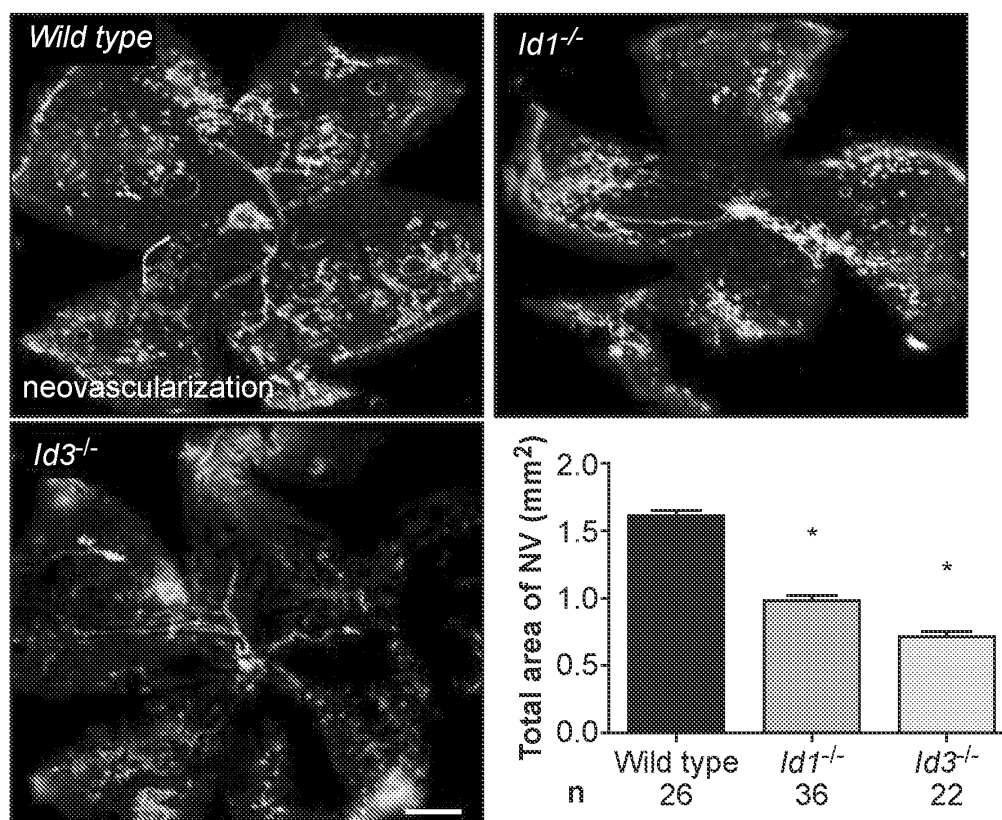


FIG. 1C

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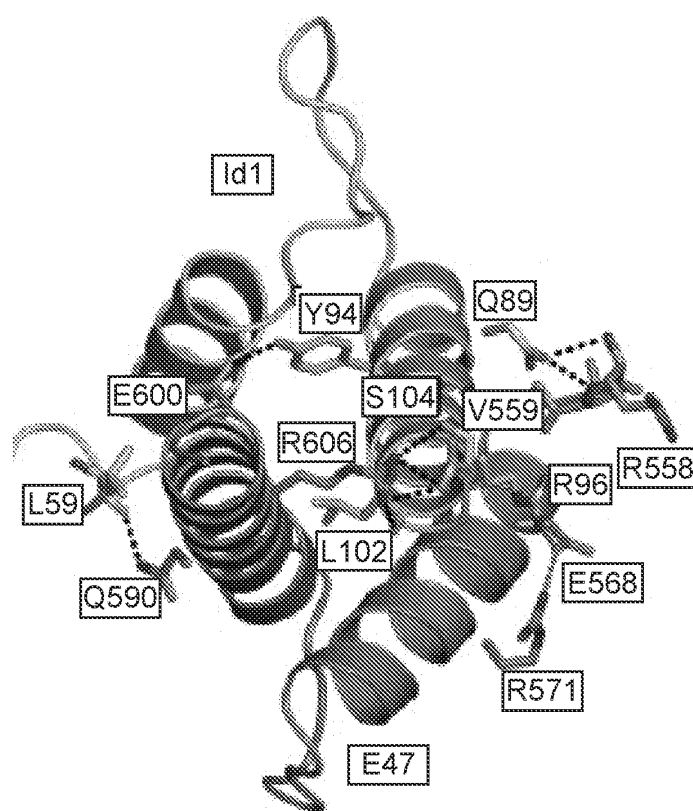


FIG. 2A

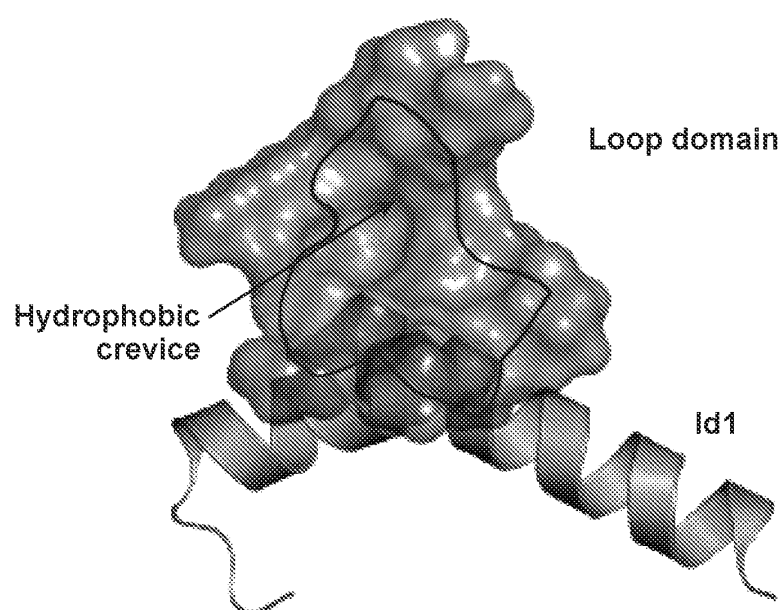


FIG. 2B

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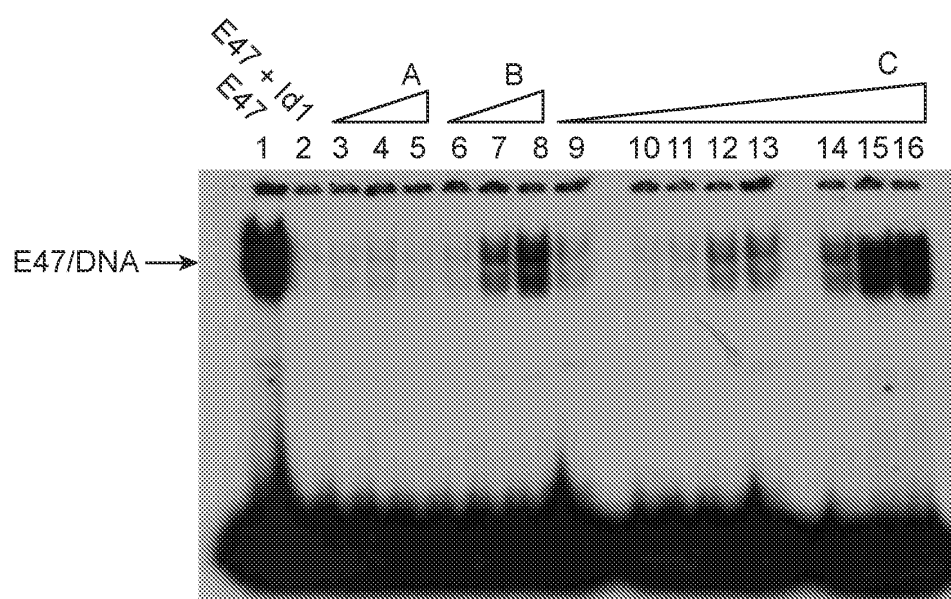


FIG. 2C

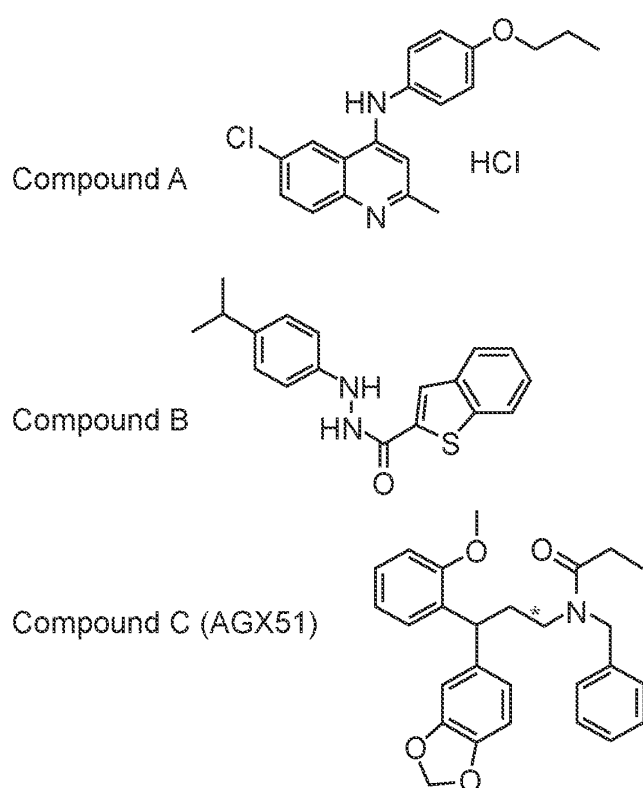


FIG. 2D

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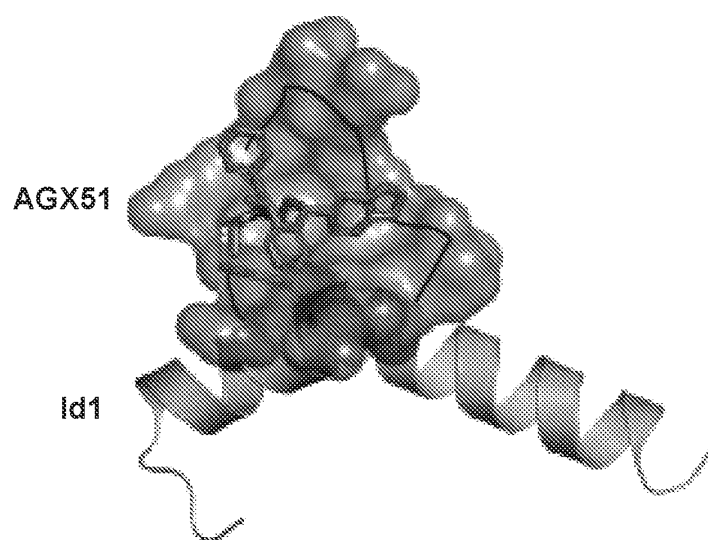


FIG. 2E

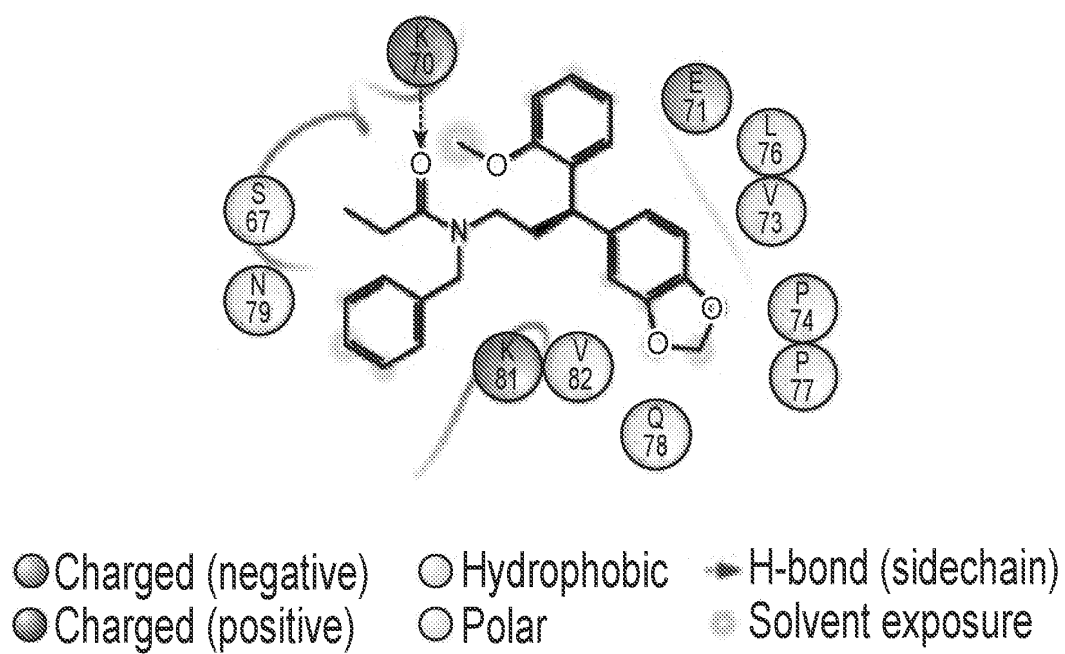


FIG. 2F

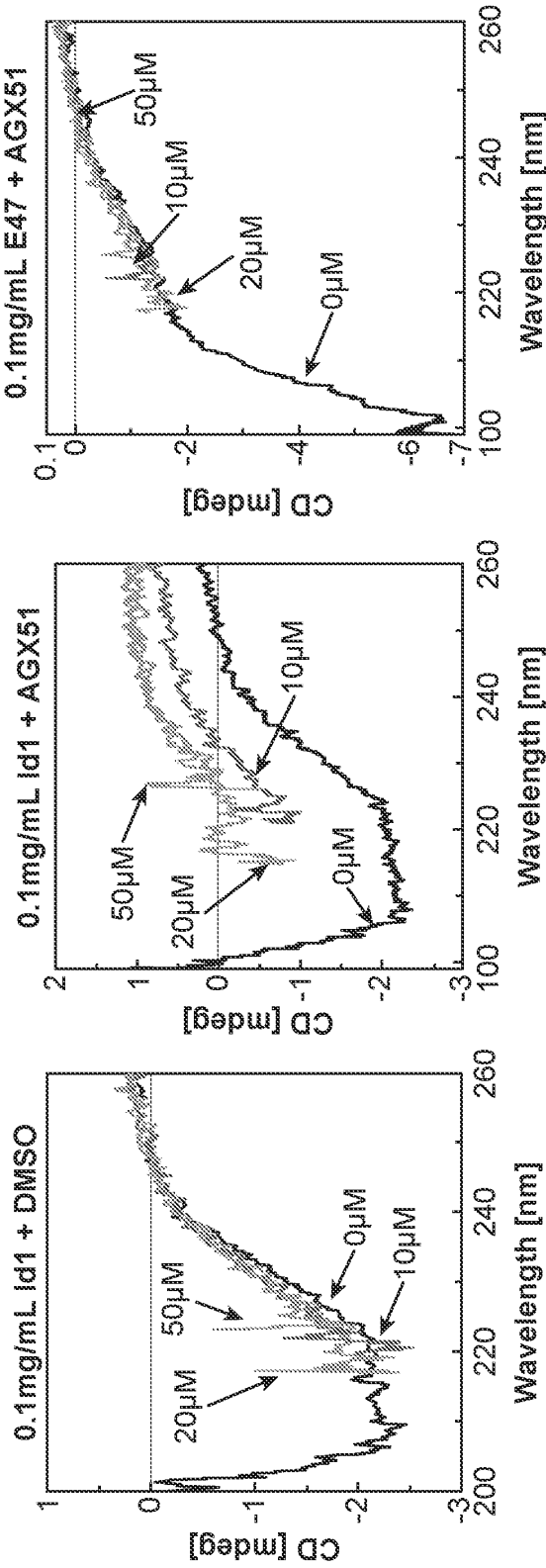


FIG. 2G

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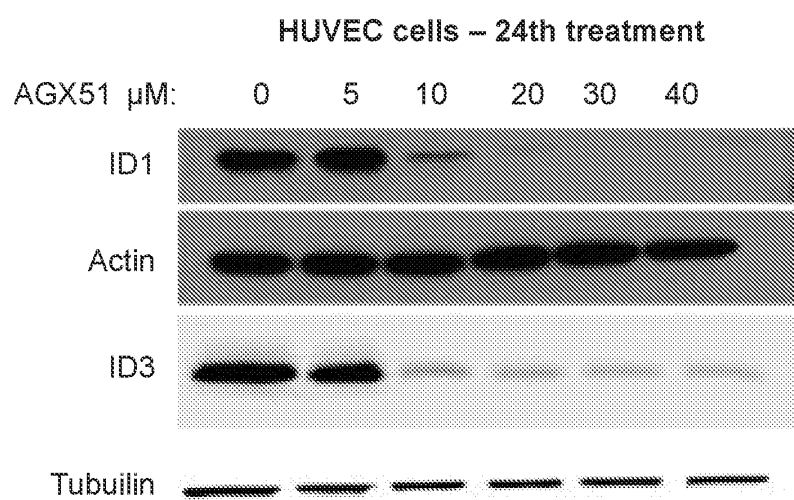


FIG. 3A

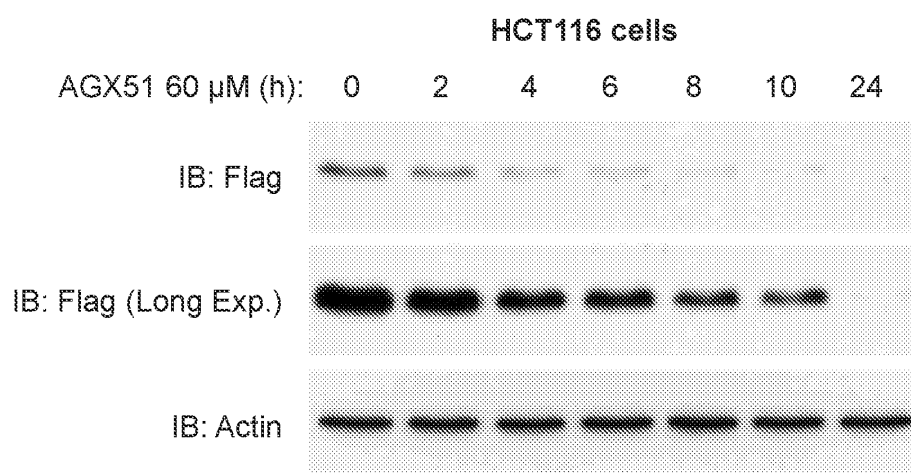


FIG. 3B

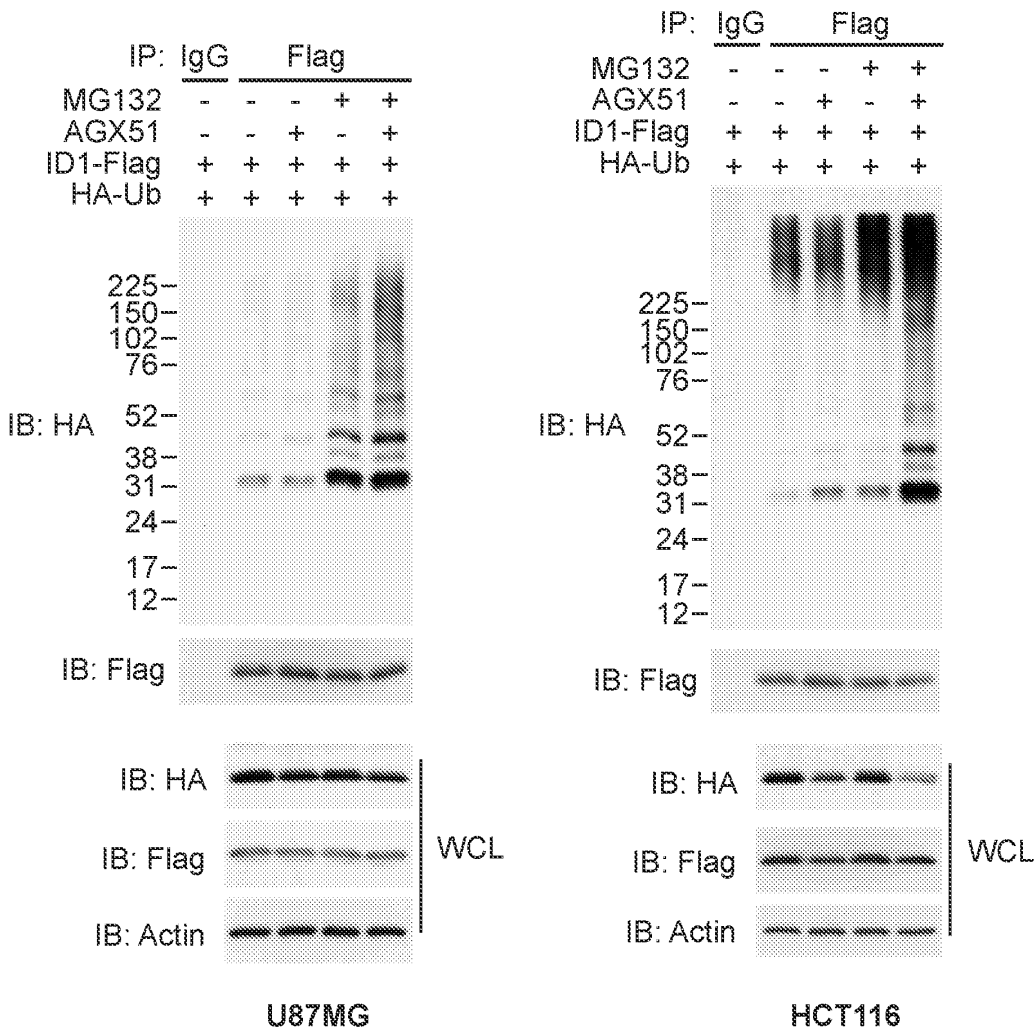


FIG. 3C

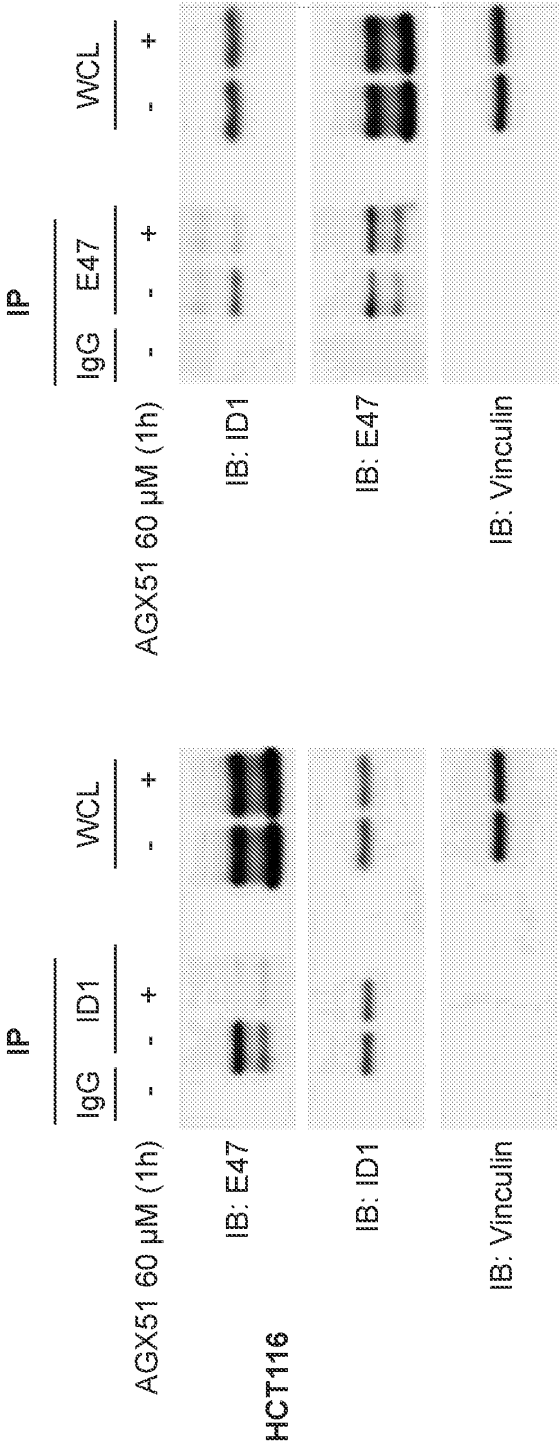


FIG. 3D

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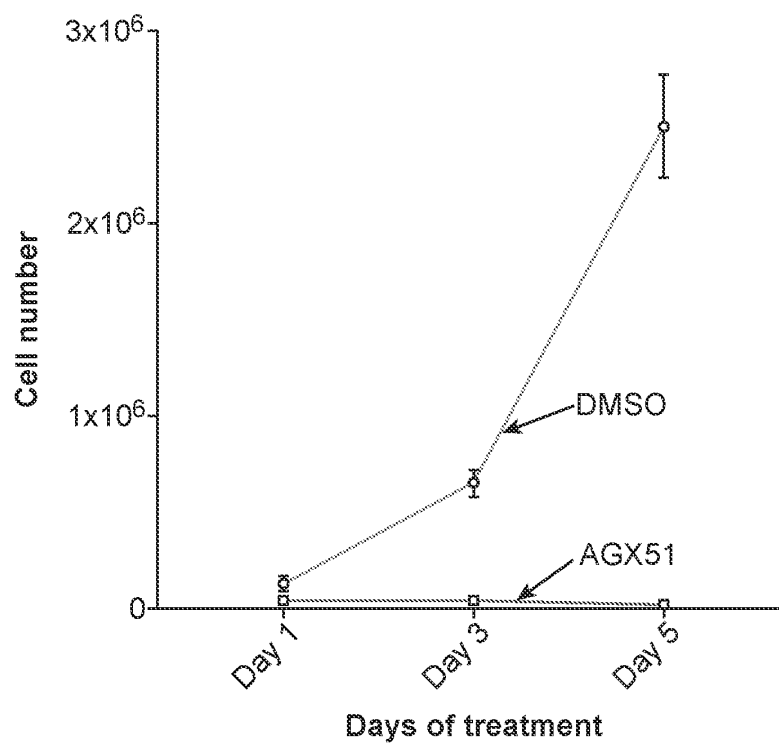


FIG. 4A

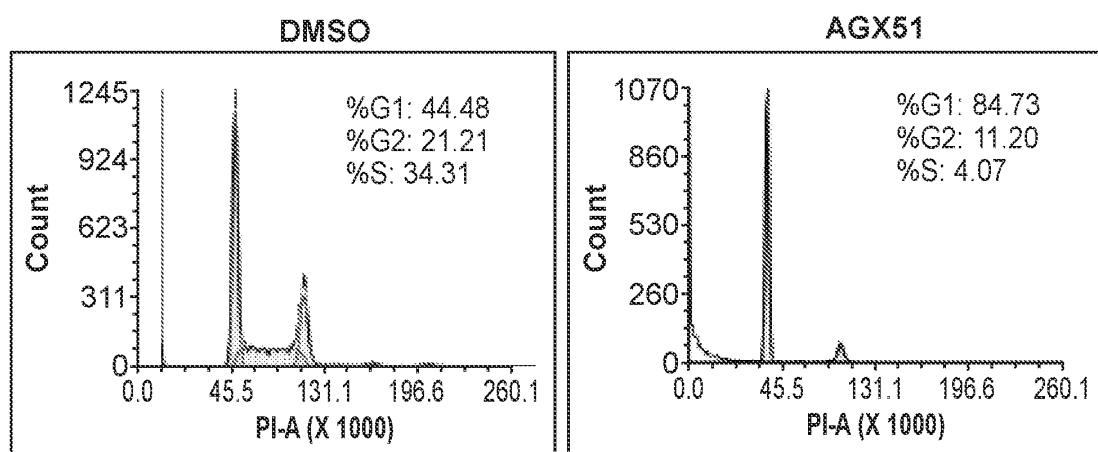


FIG. 4B

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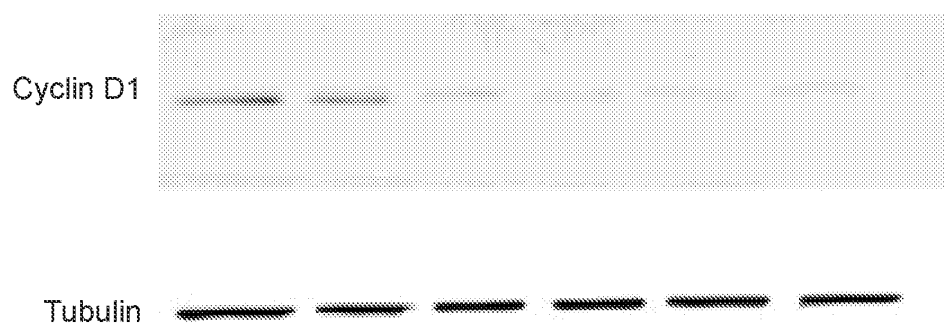


FIG. 4C

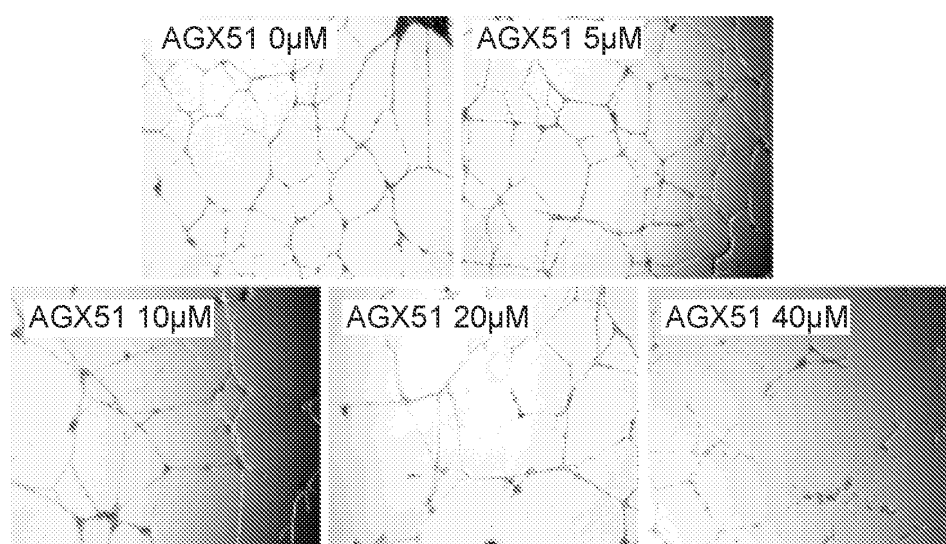


FIG. 4D

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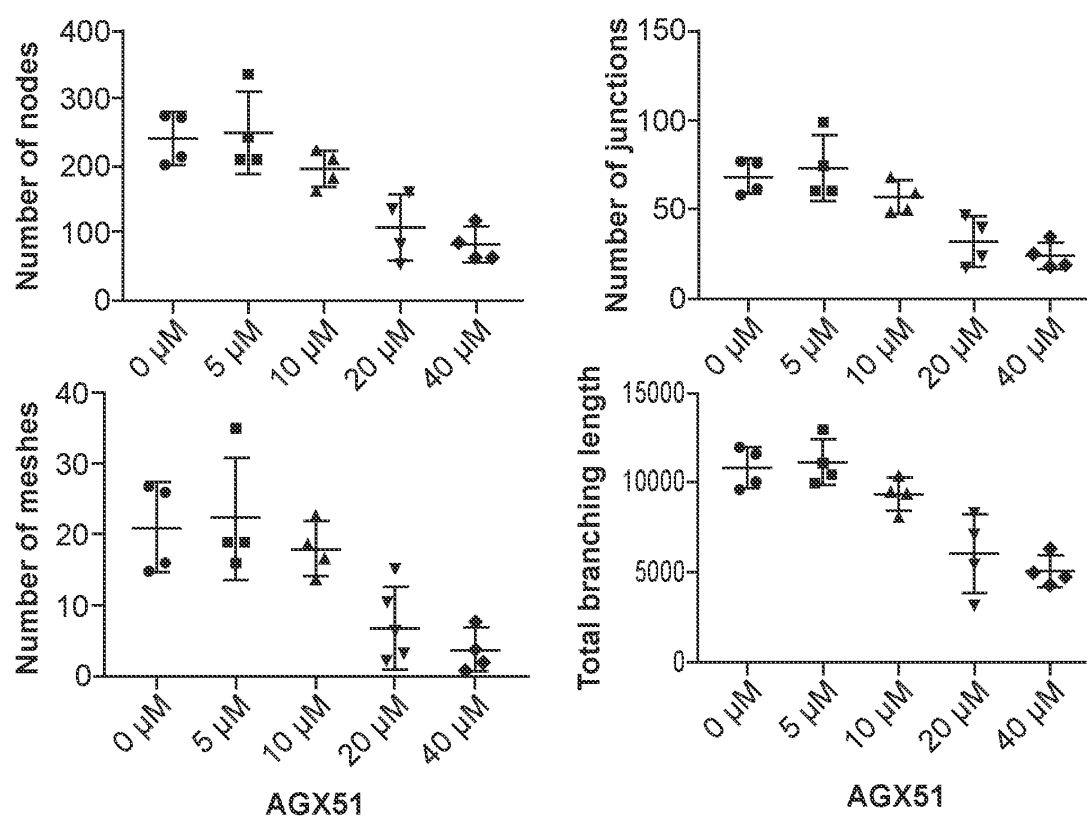


FIG. 4E

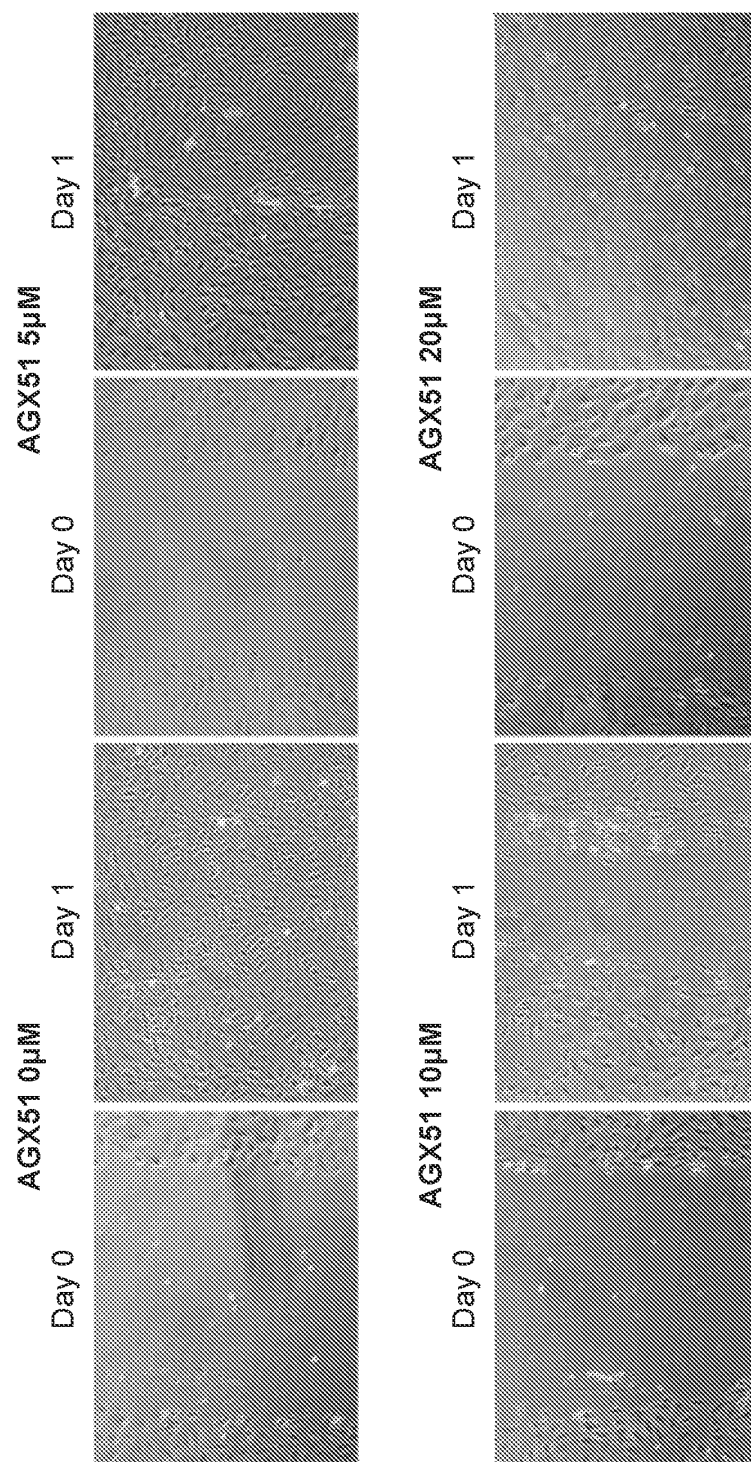


FIG. 4F

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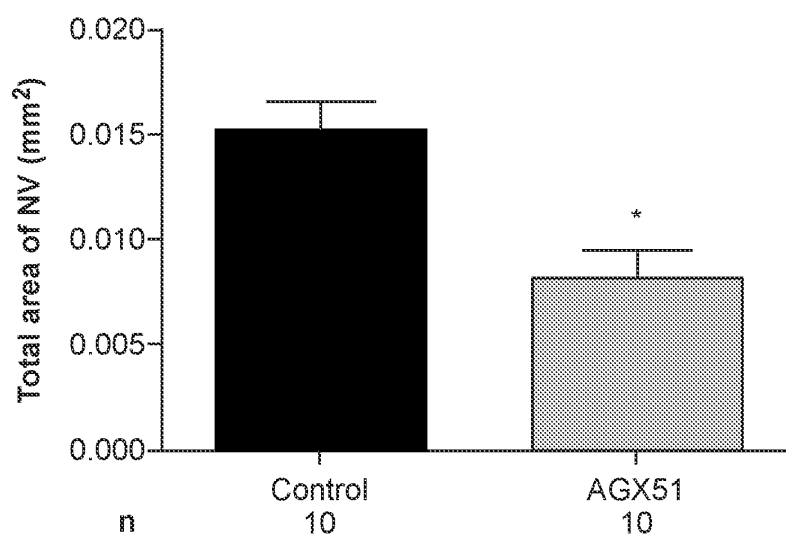


FIG. 5A

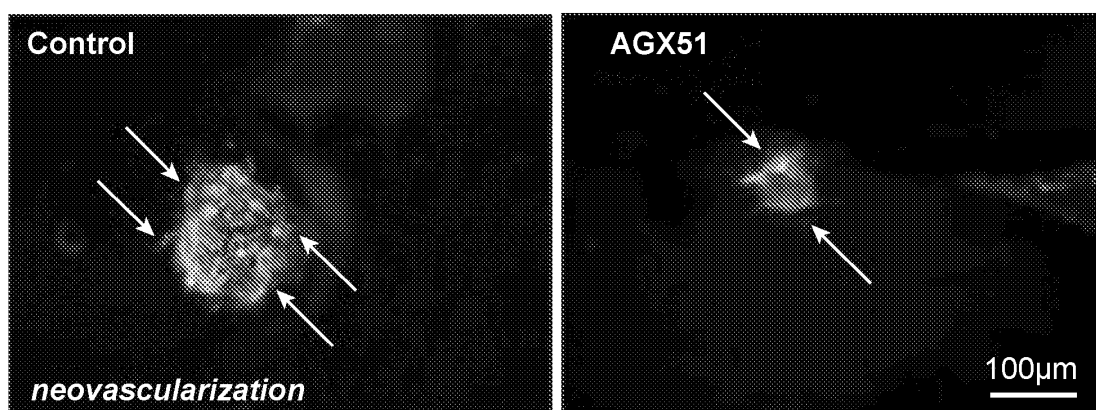


FIG. 5B

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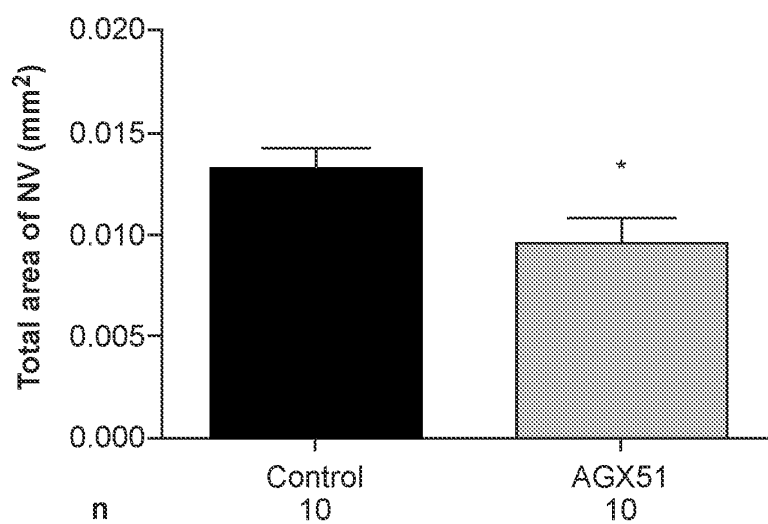


FIG. 5C

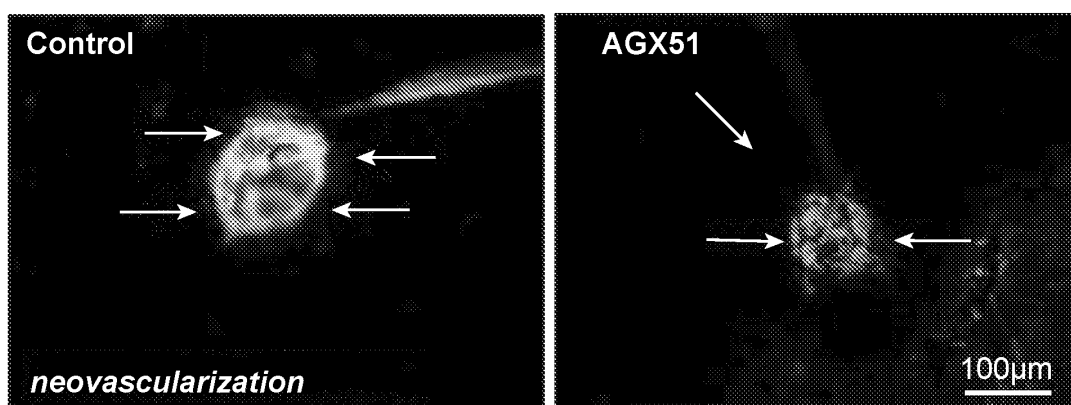


FIG. 5D

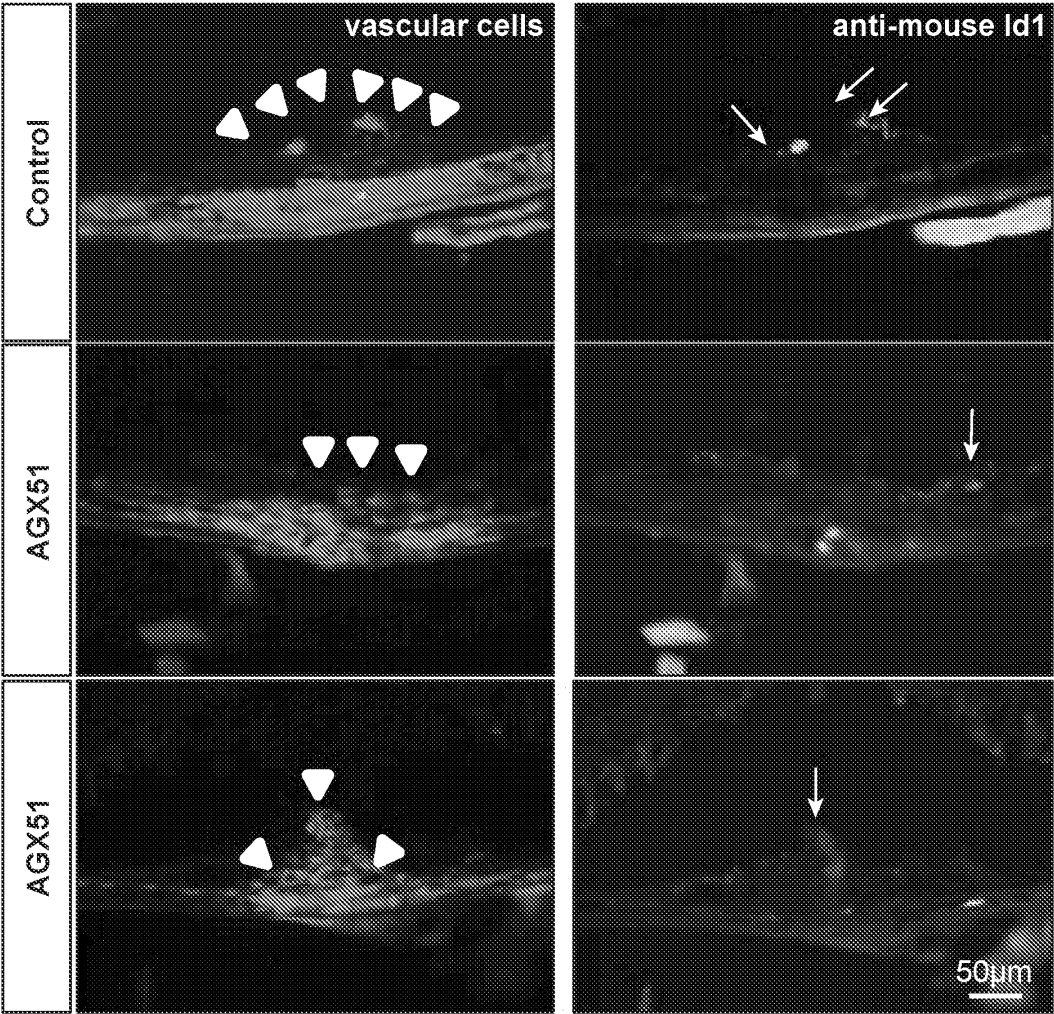


FIG. 5E

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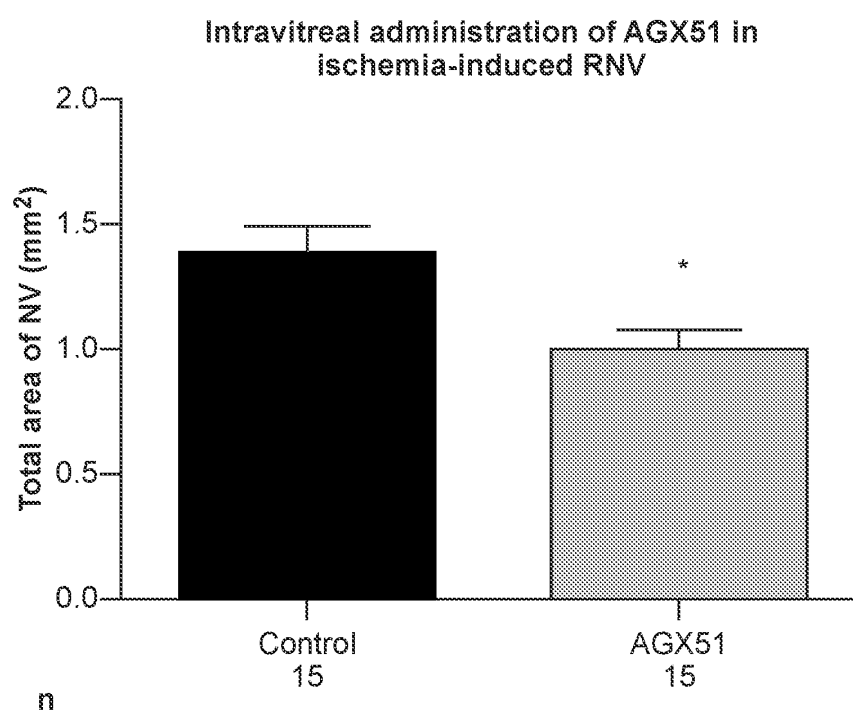


FIG. 5F

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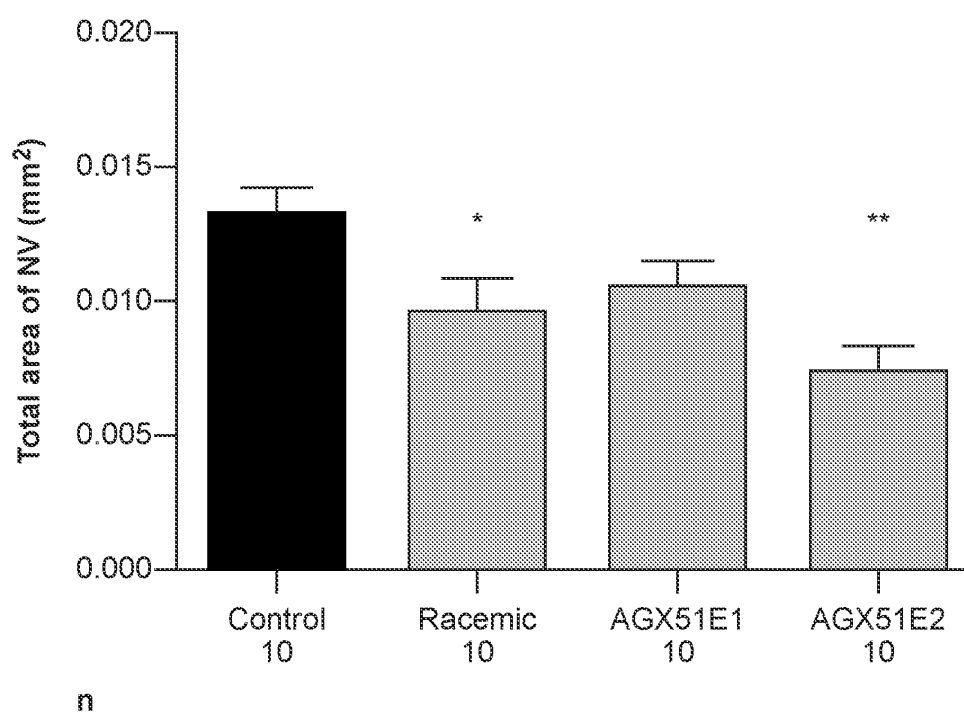


FIG. 6A

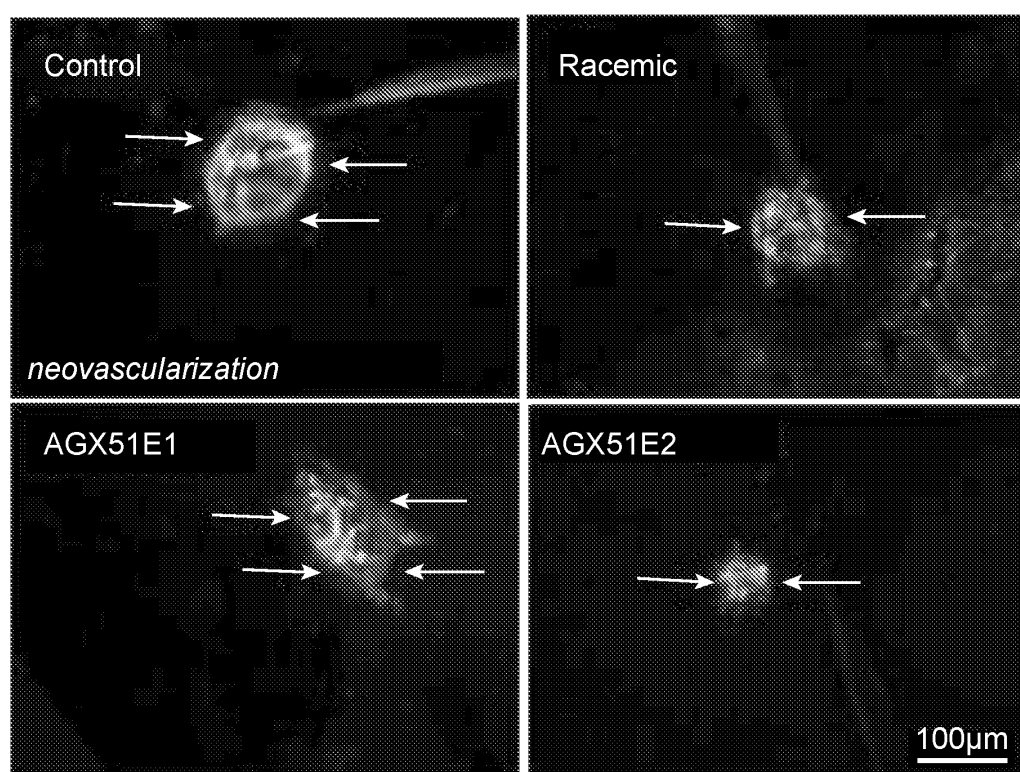


FIG. 6B

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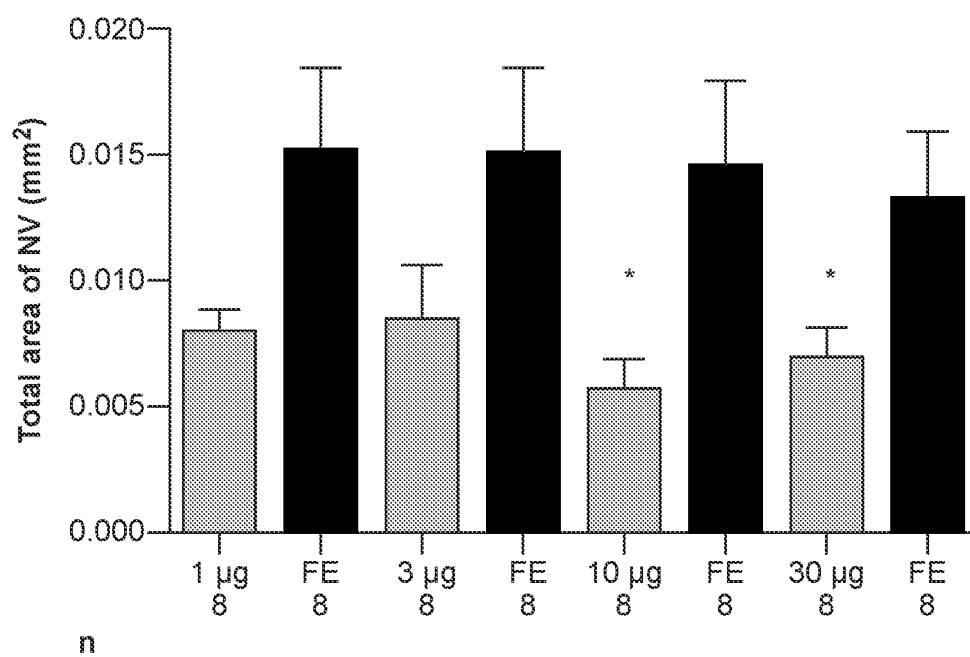
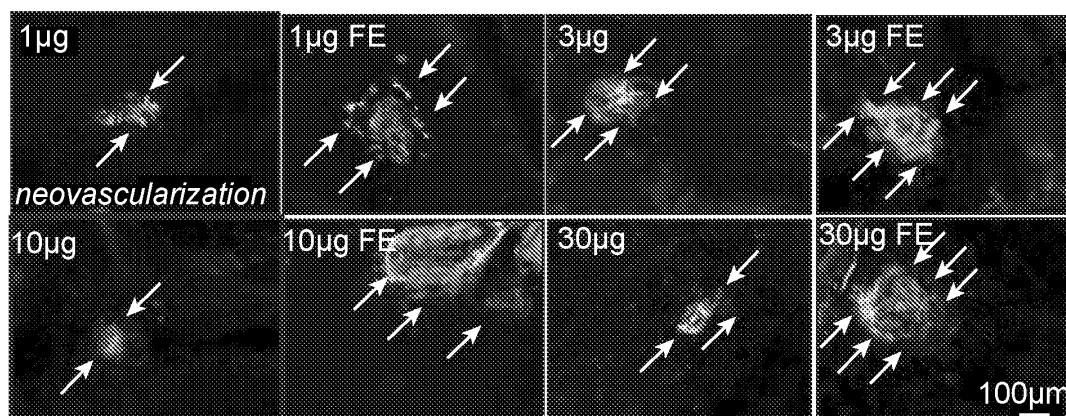
Intravitreal administration of AGX5E2 in  
laser-induced CNV

FIG. 6C

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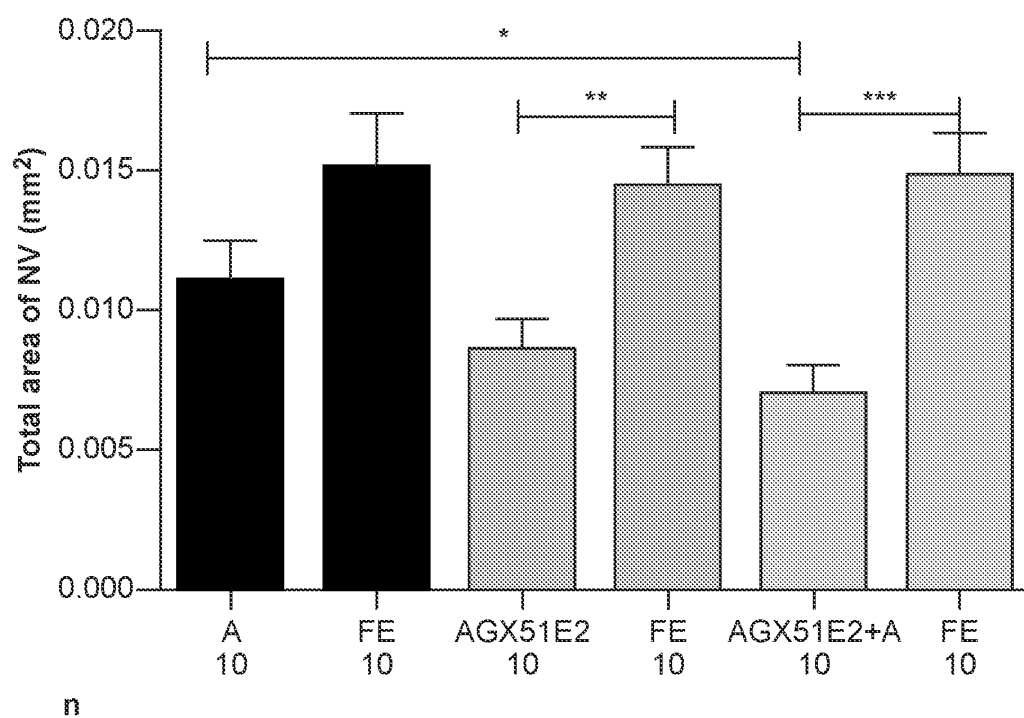


FIG. 6D

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AGXA

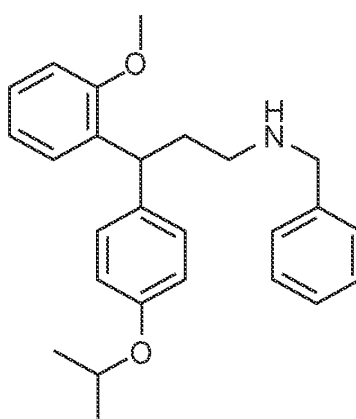


FIG. 7A

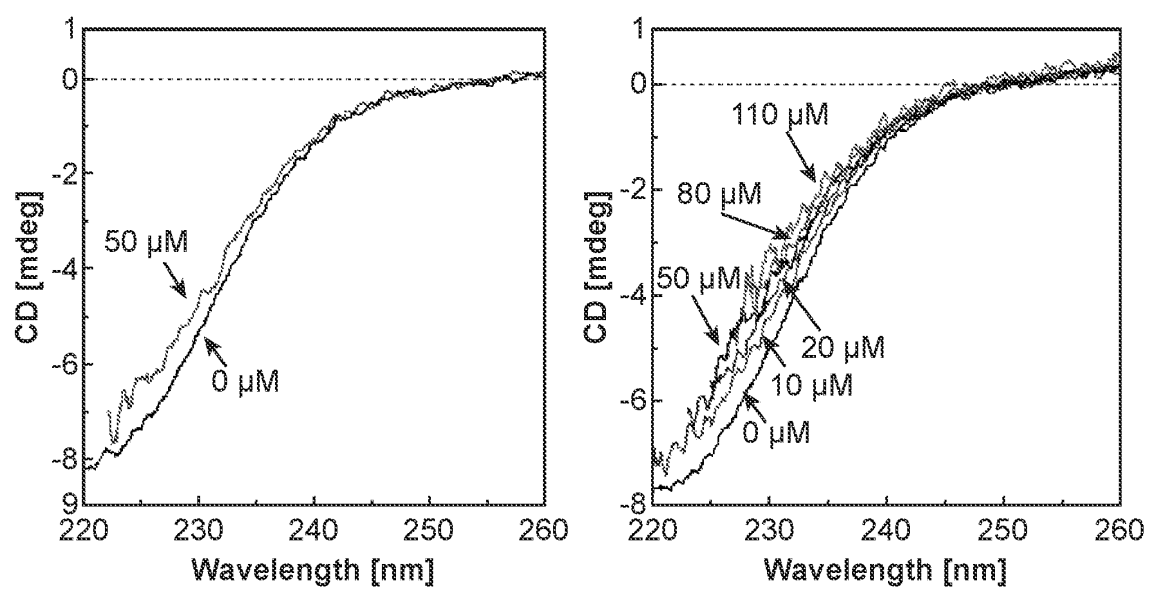


FIG. 7B

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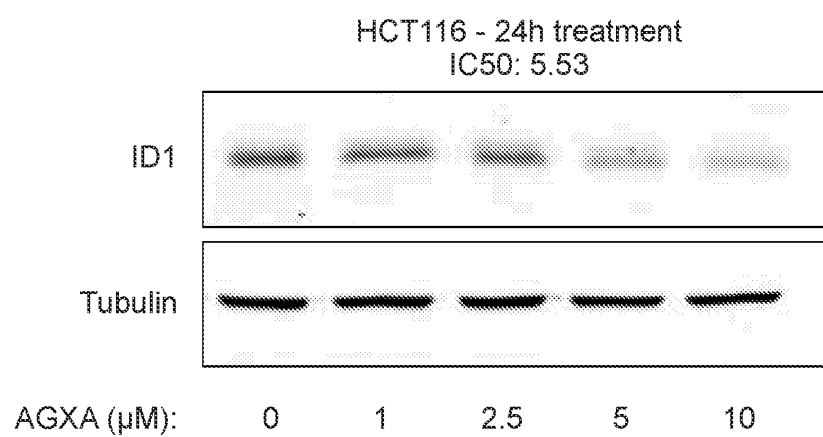


FIG. 7C

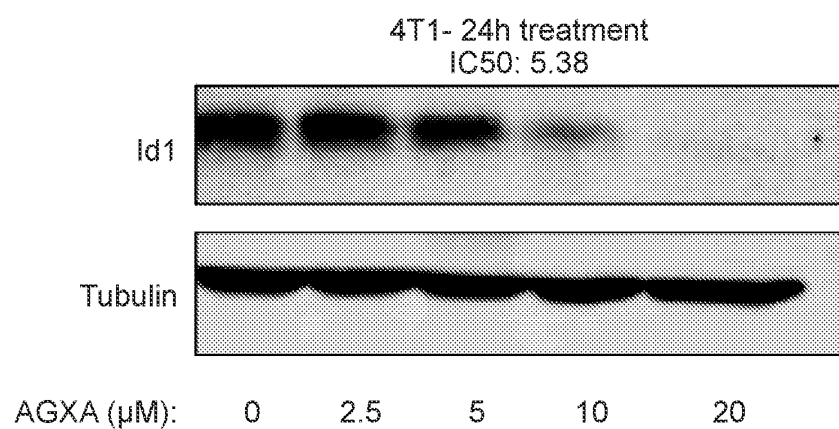


FIG. 7D

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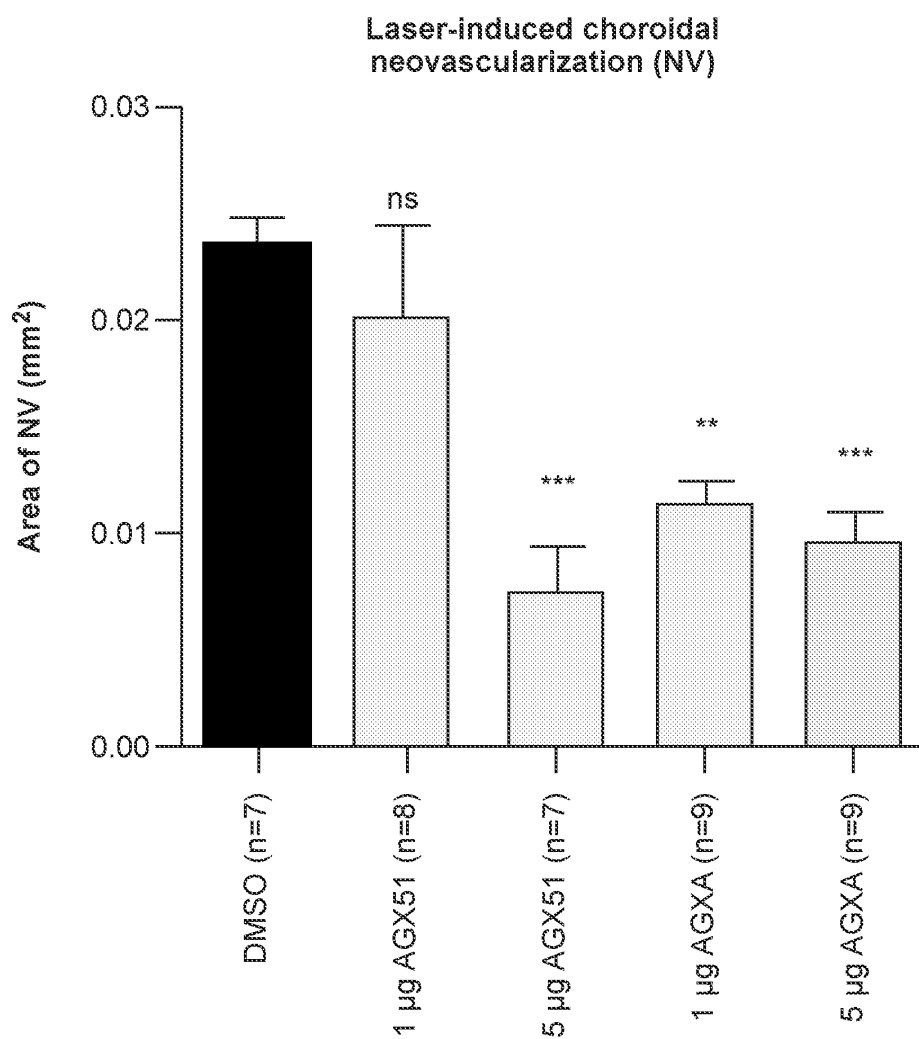


FIG. 7E

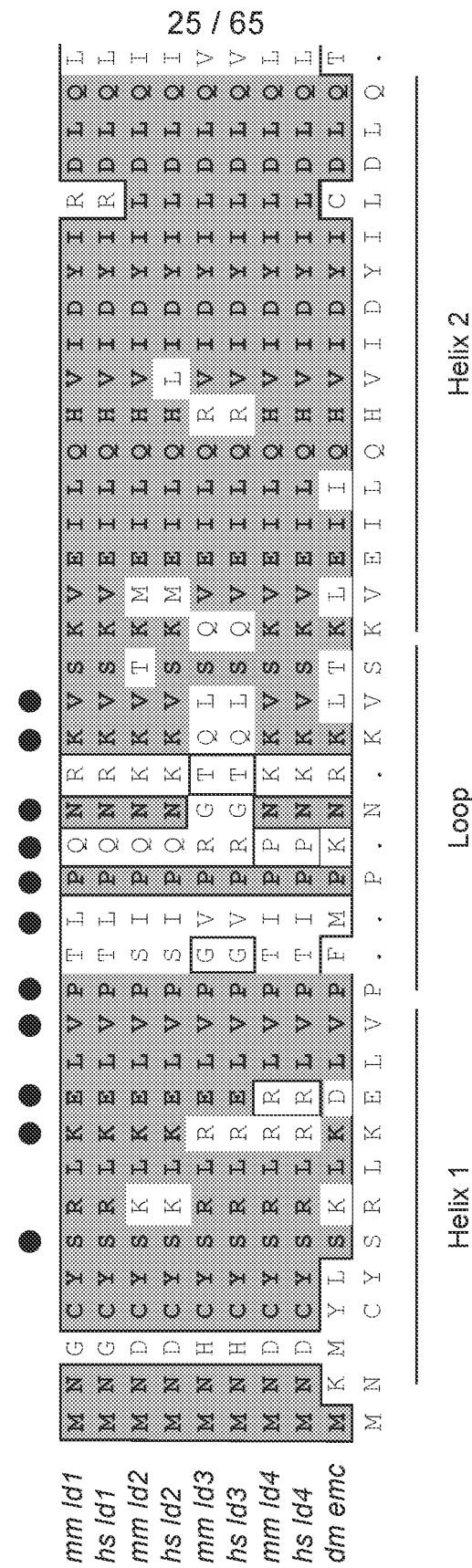


FIG. 8A

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AGX51-XL2

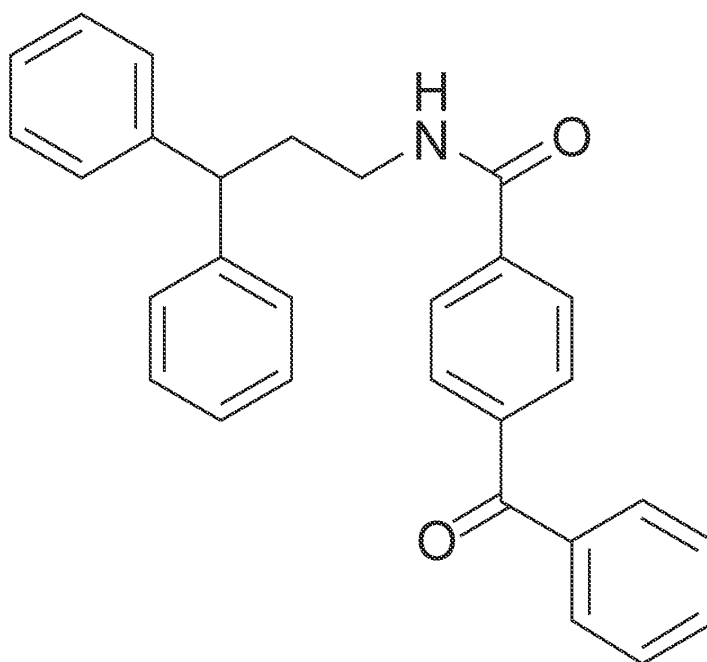


FIG. 8B

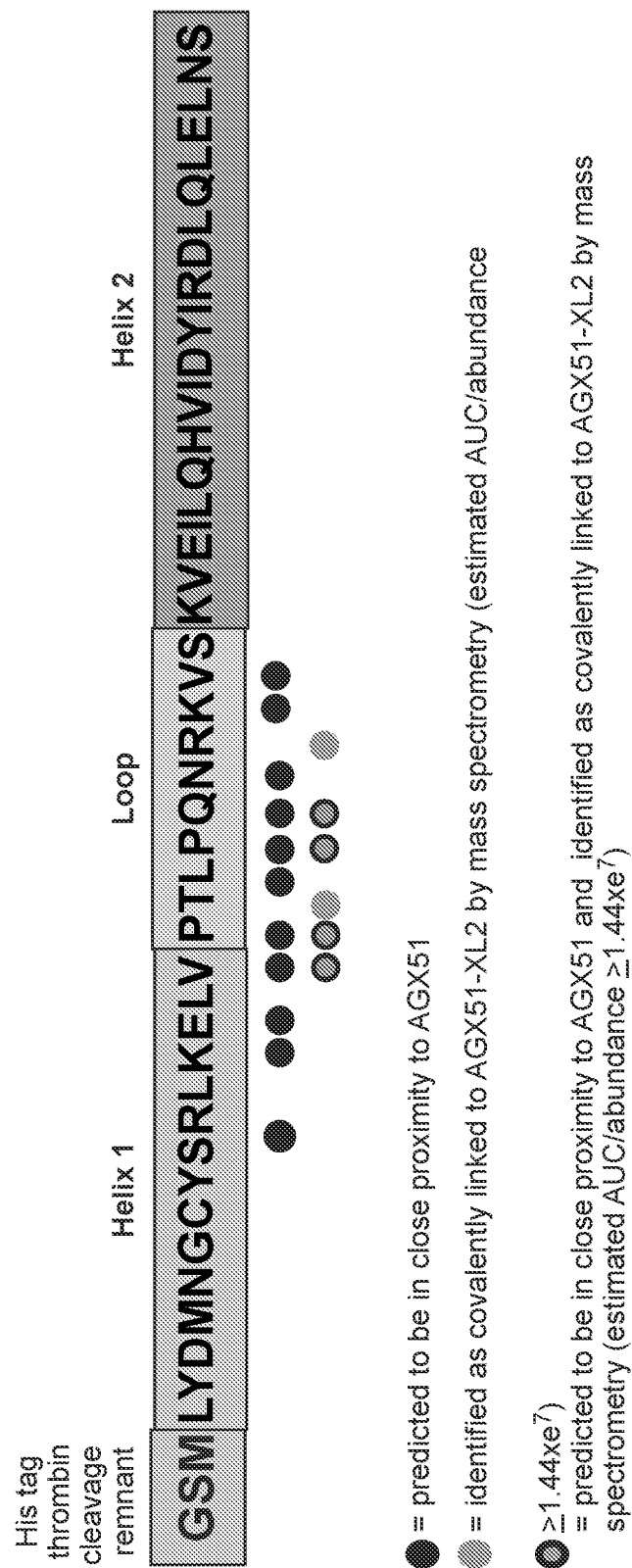


FIG. 8C

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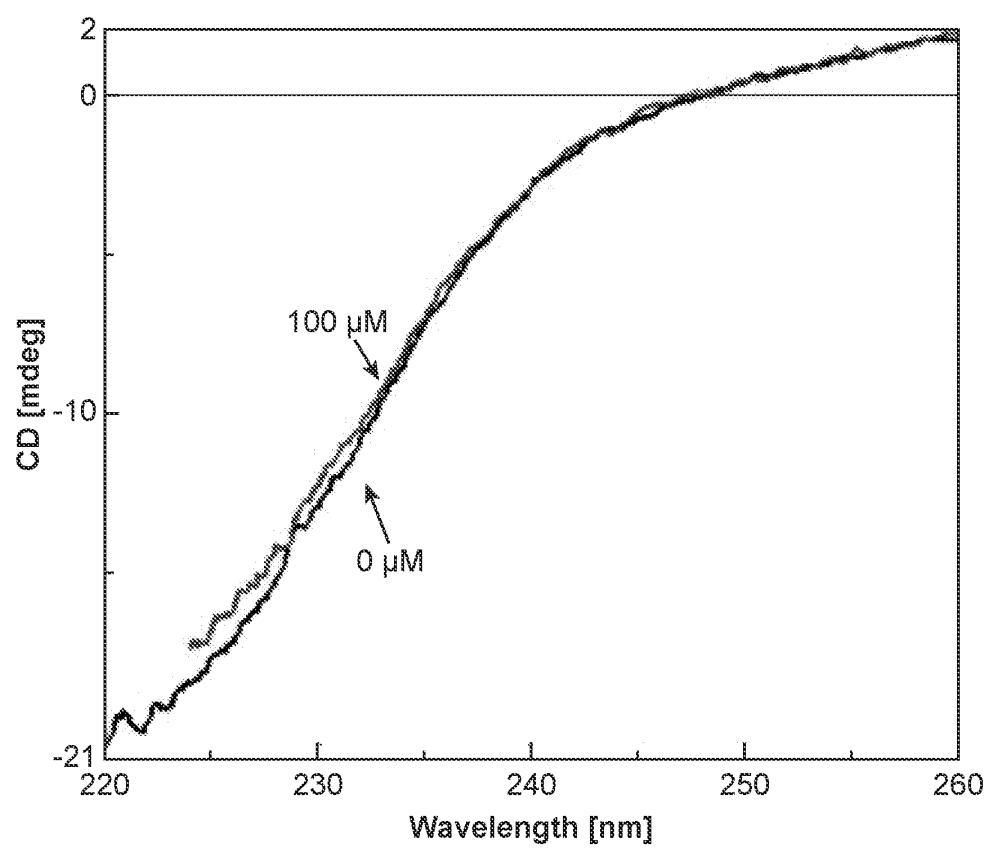


FIG. 9

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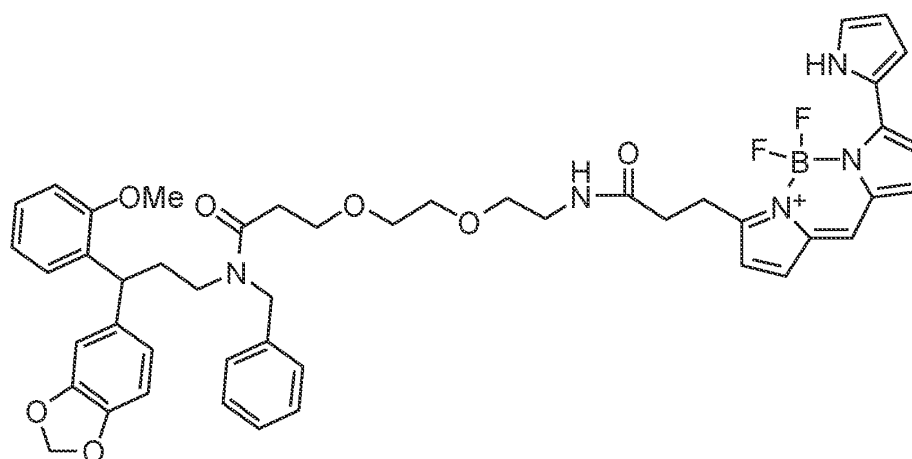


FIG. 10A

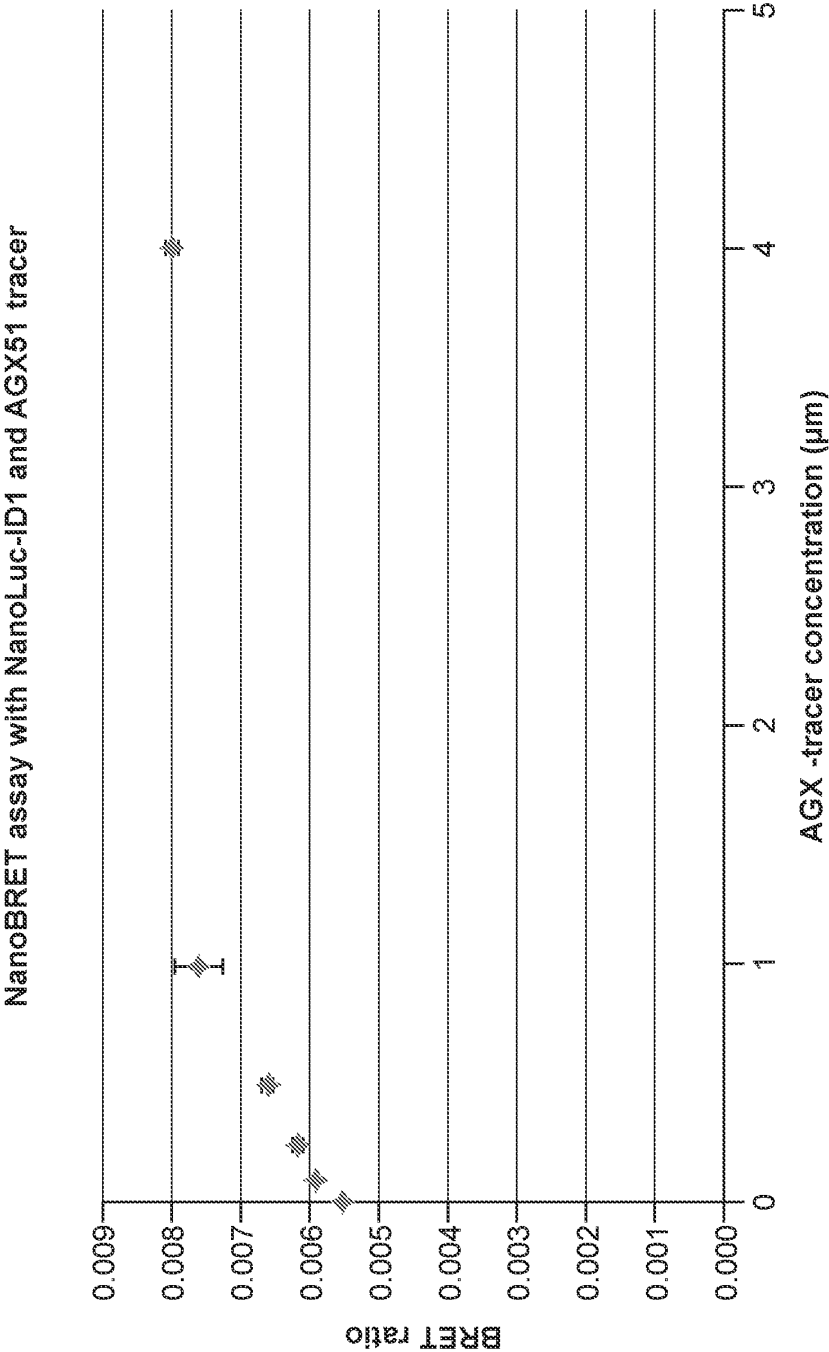


FIG. 10B

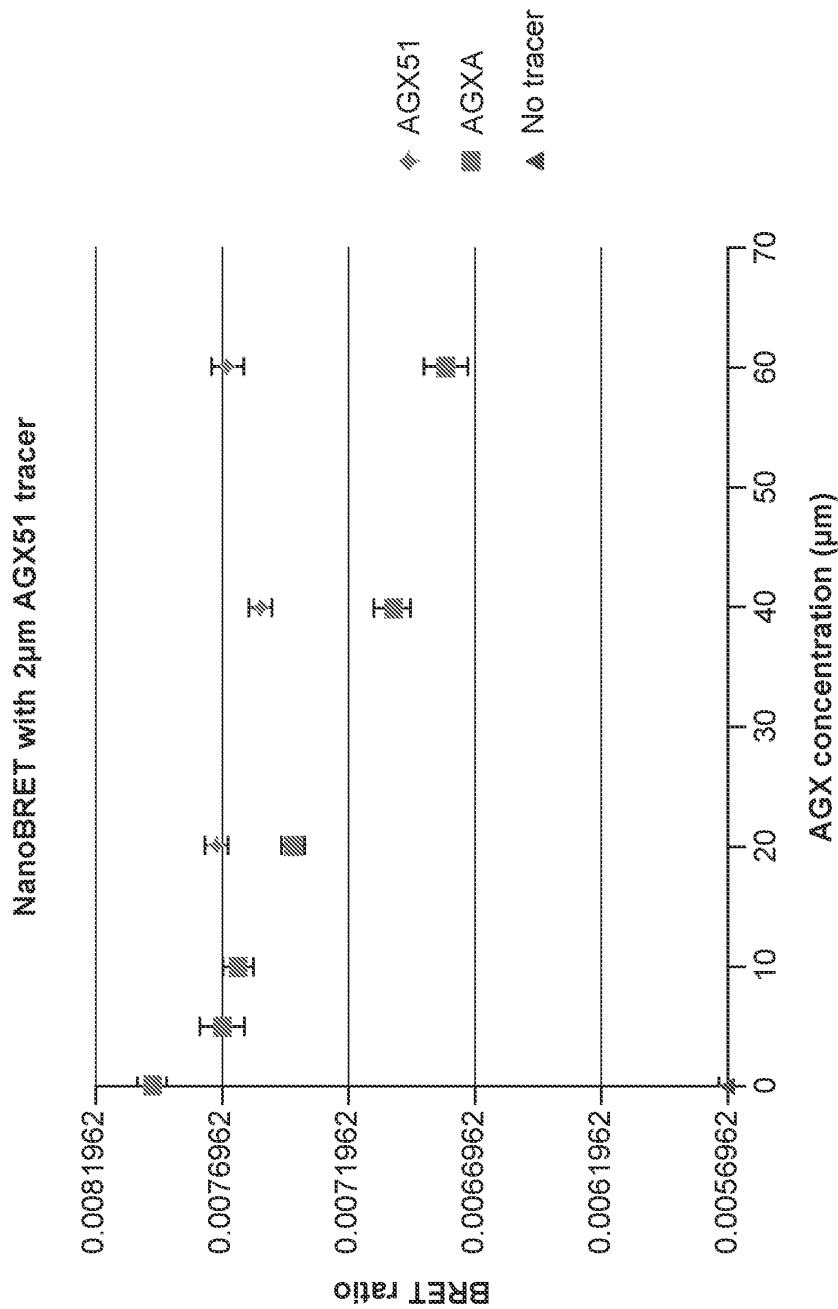


FIG. 10C

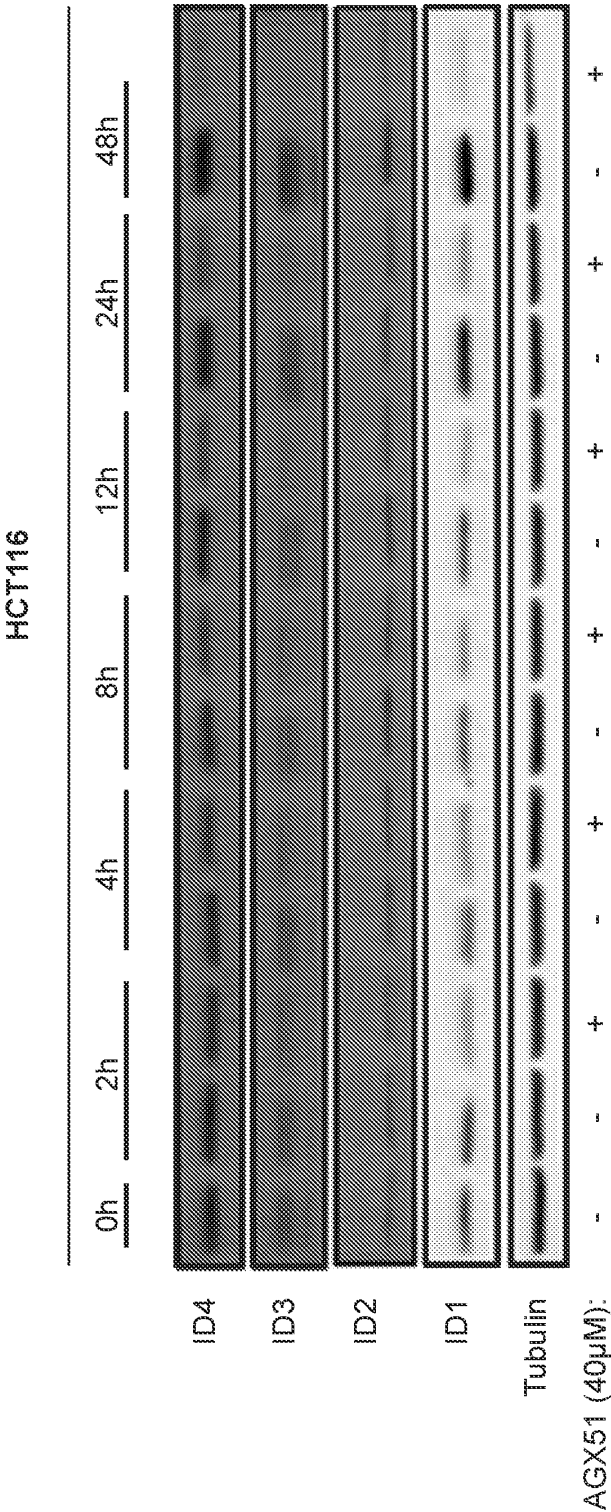
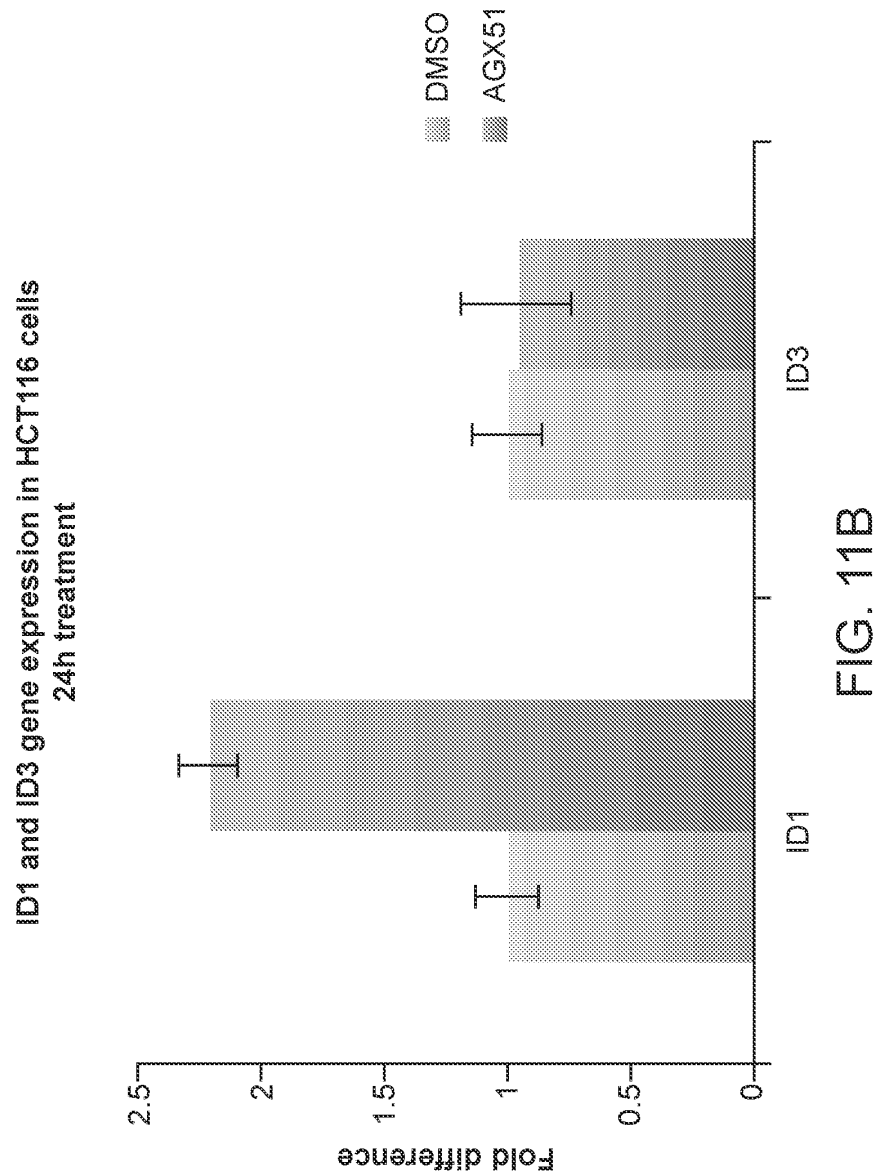


FIG. 11A



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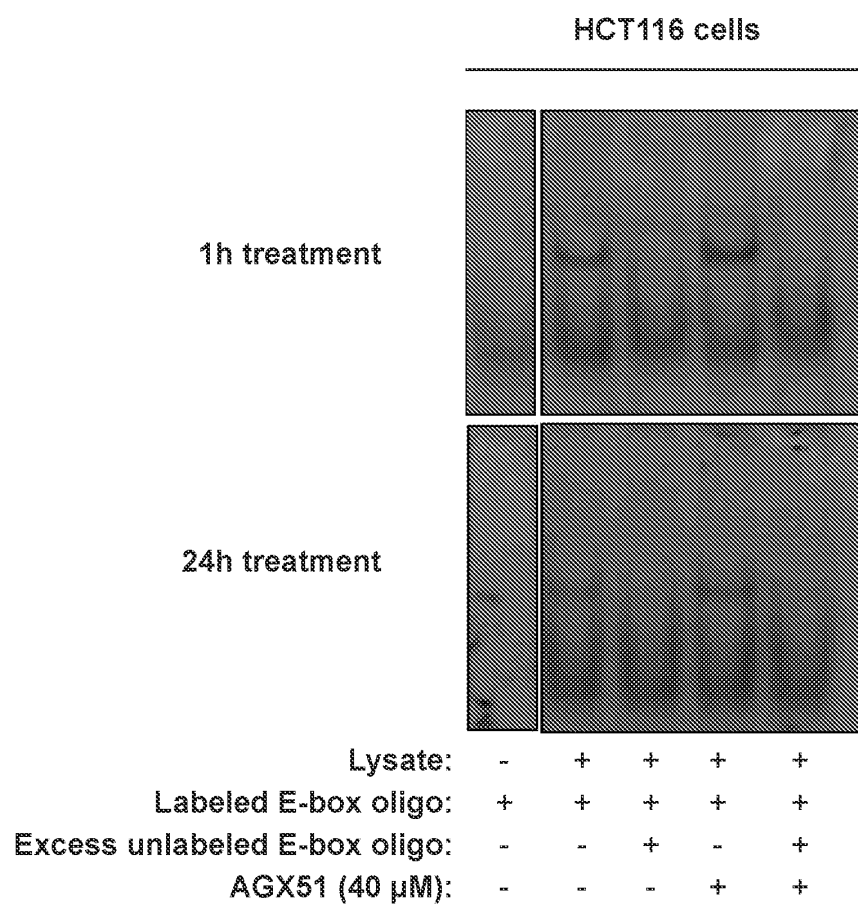


FIG. 11C

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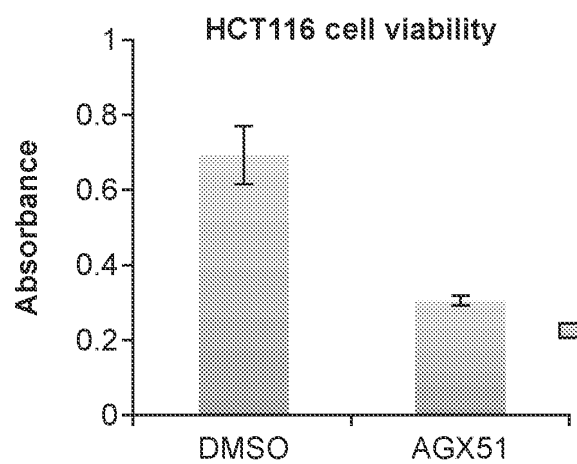


FIG. 12A

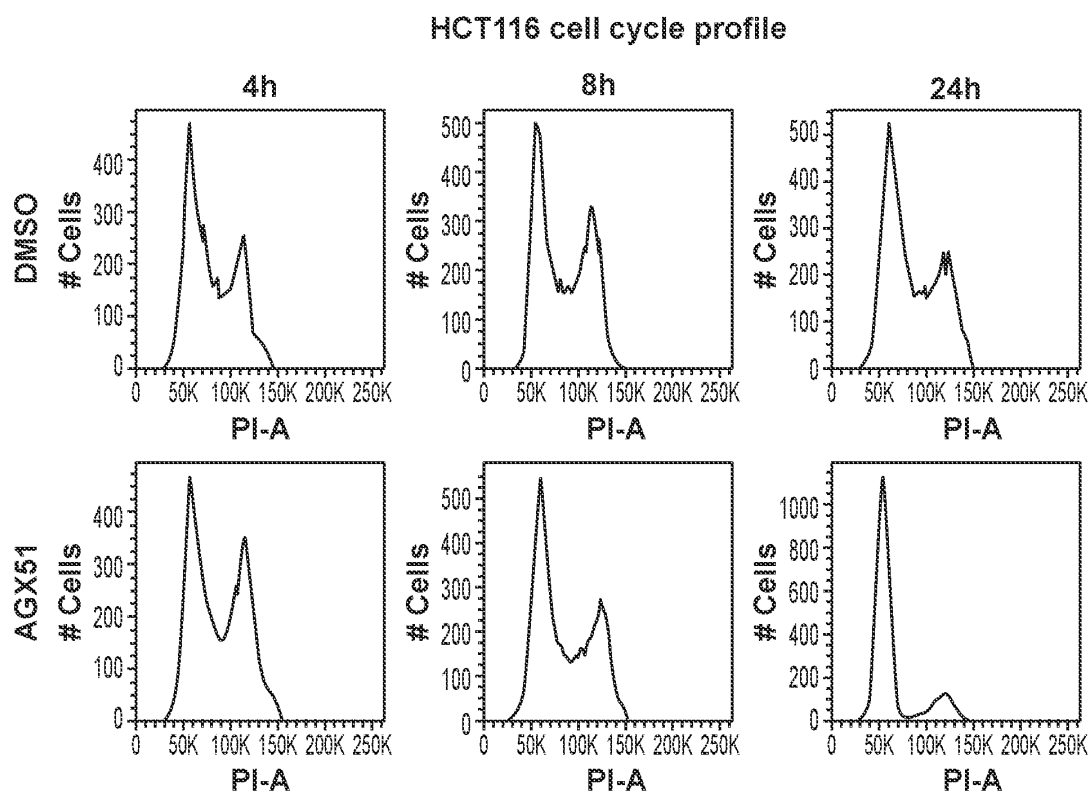


FIG. 12B

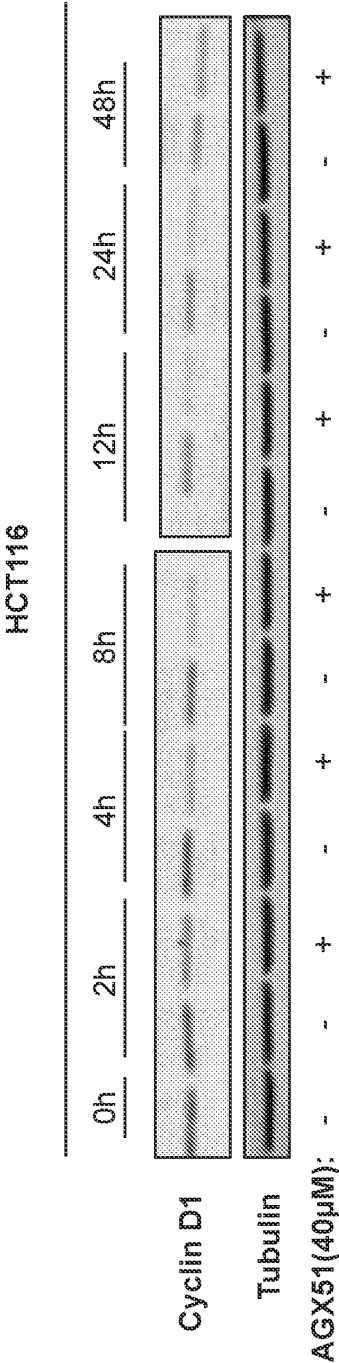


FIG. 12C

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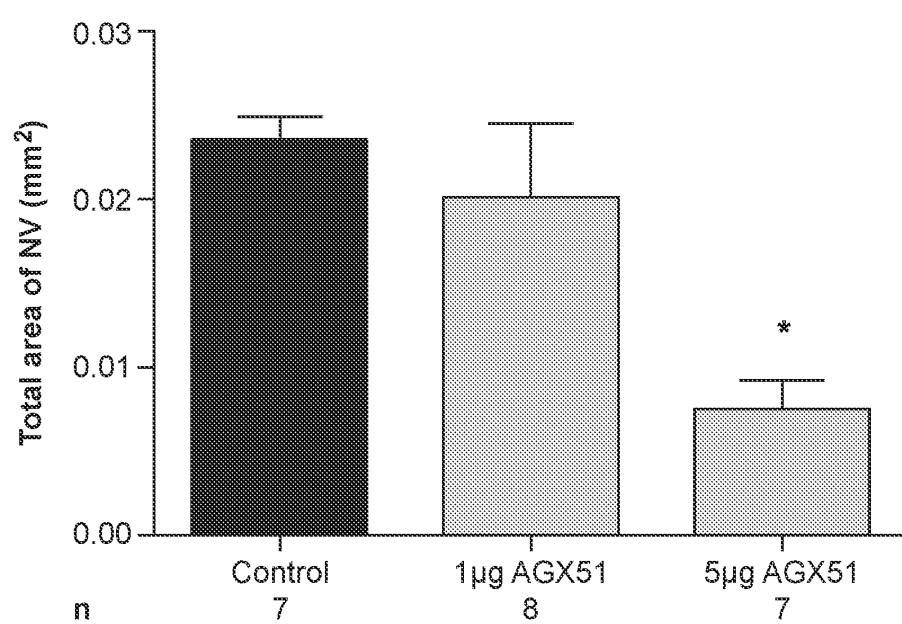


FIG. 13

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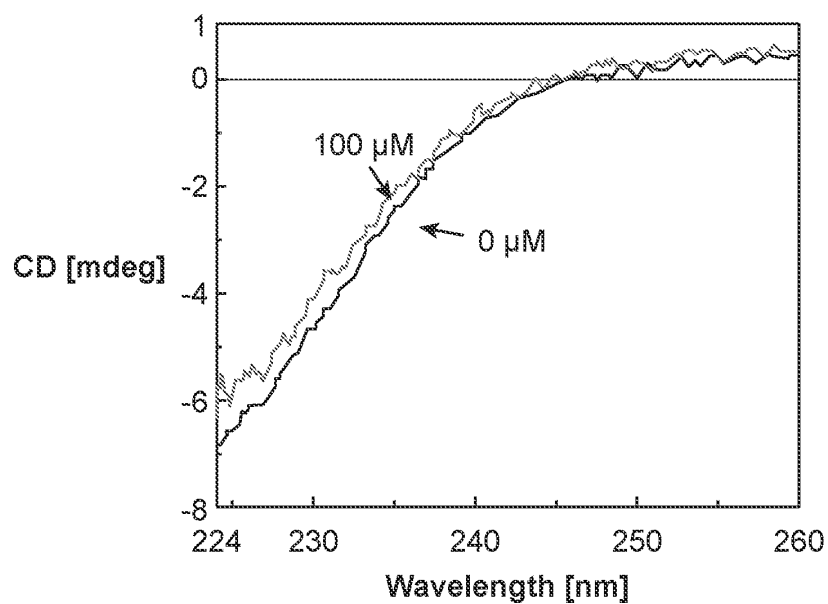


FIG. 14A

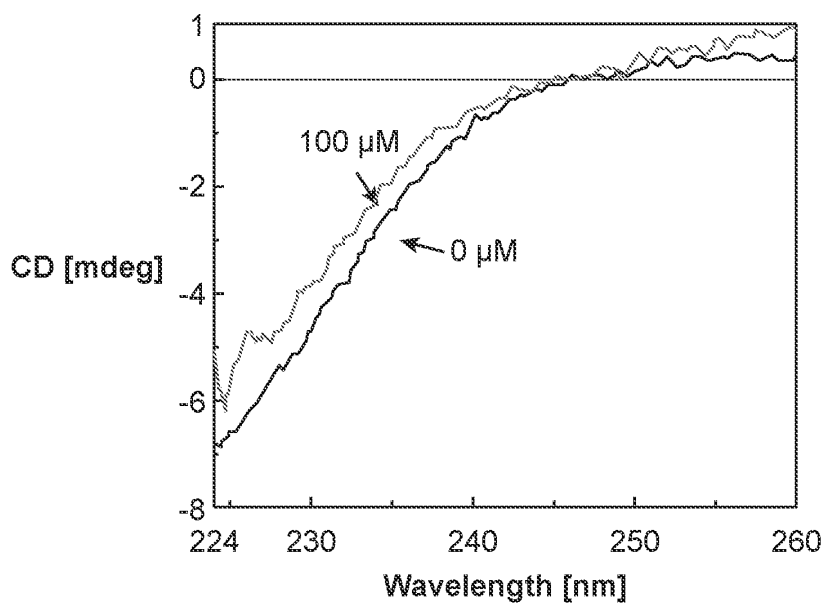


FIG. 14B

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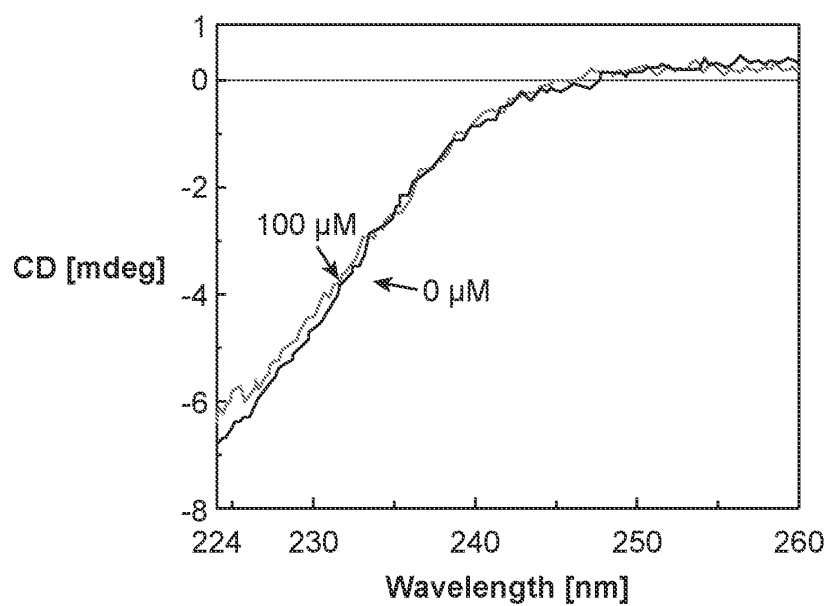


FIG. 14C

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| REAGENT or RESOURCE                                                                                                                                                                                                                                                | SOURCE                    | IDENTIFIER    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|
| <b>Antibodies</b>                                                                                                                                                                                                                                                  |                           |               |
| Id1                                                                                                                                                                                                                                                                | Biocheck                  | Cat# 195-14   |
| Id2                                                                                                                                                                                                                                                                | Biocheck                  | Cat# 9-2-8    |
| Id3                                                                                                                                                                                                                                                                | Biocheck                  | Cat# 17-3     |
| Id4                                                                                                                                                                                                                                                                | Biocheck                  | Cat# 82-12    |
| Cyclin D1                                                                                                                                                                                                                                                          | Cell Signaling Technology | Cat# 2978     |
| Actin                                                                                                                                                                                                                                                              | Sigma                     | Cat# A2066    |
| Tubulin                                                                                                                                                                                                                                                            | Sigma                     | Cat# T4026    |
| FLAG                                                                                                                                                                                                                                                               | Sigma                     | Cat# F2426    |
| ID1                                                                                                                                                                                                                                                                | Santa Cruz                | Cat# sc-2003  |
| E2A                                                                                                                                                                                                                                                                | Santa Cruz                | Cat# sc-763   |
| HA                                                                                                                                                                                                                                                                 | Cell Signaling Technology | Cat# 3724     |
| Vinculin                                                                                                                                                                                                                                                           | Sigma                     | Cat# V9131    |
| Beta actin                                                                                                                                                                                                                                                         | Sigma                     | Cat# A5441    |
| FLAG                                                                                                                                                                                                                                                               | Sigma                     | Cat# F1804    |
| GST                                                                                                                                                                                                                                                                | Thermo Fisher             | Cat# MA4-004  |
| GST                                                                                                                                                                                                                                                                | Abcam                     | Cat# ab9085   |
| <b>Bacterial and Virus Strains</b>                                                                                                                                                                                                                                 |                           |               |
| Bacteria: Rosetta 2 (DE3) Competent Cells                                                                                                                                                                                                                          | Sigma Millipore           | Cat# 71400-4  |
| <b>Biological Samples</b>                                                                                                                                                                                                                                          |                           |               |
| N/A                                                                                                                                                                                                                                                                |                           |               |
| <b>Chemicals, Peptides, and Recombinant Proteins</b>                                                                                                                                                                                                               |                           |               |
| AGX51 ( <i>N</i> -(3-(benzo[d][1,3]dioxol-5-yl)-3-(2-methoxyphenyl)propyl)- <i>N</i> -benzylpropionamide)                                                                                                                                                          | This Paper                | N/A           |
| AGXA (6-chloro-2-methyl- <i>N</i> -(4-propoxyphenyl)quinolin-4-amine hydrochloride)                                                                                                                                                                                | This Paper                | N/A           |
| AGX8 ( <i>N</i> -(4-isopropylphenyl)benzo[ <i>b</i> ]thiophene-2-carbohydrazide)                                                                                                                                                                                   | This Paper                | N/A           |
| AGX-XL2 (4-benzoyl- <i>N</i> -(3,3-diphenylpropyl)bezamide)                                                                                                                                                                                                        | This Paper                | N/A           |
| AGX51 tracer (3-(17-benzo[d][1,3]dioxol-5-yl)-14-benzyl-17-(2-methoxyphenyl)-3, 13-dioxo-7, 10-dioxo-4, 14-diazaheptadecyl)-5,5-difluoro-7-(1 <i>H</i> -pyrrol-2-yl)-5 <i>H</i> -5 <i>H</i> -4-dipyrrolo[1,2- <i>c</i> :2',1'- <i>f</i> ][1,3,2]diazaborinin-4ium) | This Paper                | N/A           |
| Digitonin                                                                                                                                                                                                                                                          | Sigma                     | Cat# D141     |
| MG132                                                                                                                                                                                                                                                              | EMD Millipore             | Cat# 474790   |
| MTT                                                                                                                                                                                                                                                                | Thermo Fisher             | Cat# M-6494   |
| <b>Critical Commercial Assays</b>                                                                                                                                                                                                                                  |                           |               |
| NanoBRET™ Intracellular BET BRD Assay                                                                                                                                                                                                                              | Promega                   | Cat# N2130    |
| SilverQuest Staining Kit                                                                                                                                                                                                                                           | Invitrogen                | Cat# LC6070   |
| Lipofectamine 3000                                                                                                                                                                                                                                                 | Invitrogen                | Cat# L3000001 |
| RNeasy kit                                                                                                                                                                                                                                                         | Qiagen                    | Cat# 74104    |
| SuperScript IV First-Strand Synthesis System                                                                                                                                                                                                                       | Invitrogen                | 18091050      |
| <b>Deposited Data</b>                                                                                                                                                                                                                                              |                           |               |
| Id1 (51-104) structure                                                                                                                                                                                                                                             | This Paper                | PDB ID: 6MGM  |
| Id1 (58-104) structure                                                                                                                                                                                                                                             | This Paper                | PDB ID: 6U2U  |

FIG. 15

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|                                                               |                    |                   |
|---------------------------------------------------------------|--------------------|-------------------|
| Id1-E47 structure                                             | This paper         | PDB ID: 6MGN      |
| <b>Experimental Models: Cell Lines</b>                        |                    |                   |
| Human: HCT116                                                 | ATCC               | Cat# CCL-247      |
| Mouse: 4T1                                                    | ATCC               | Cat# CRL-2539     |
| Human: 293T                                                   | ATCC               | Cat# CRL-1573     |
| Human: HUVEC                                                  | Corning            | Cat# 354151       |
| <b>Experimental Models: Organisms/Strains</b>                 |                    |                   |
| Mouse: Balb/c mice Balb/cJ                                    | Taconic            | 000651            |
| Mouse: Athymic nude mice Hsd:Athymic Nude-Foxn1 <sup>nu</sup> | Envigo             | 069(nu)/070(nu/+) |
| <b>Oligonucleotides</b>                                       |                    |                   |
| EMSA sense Oligonucleotide: 5'-CCCCAACACCTGCCTGCCTGA-3'       | Eurofins           | N/A               |
| EMSA antisense Oligonucleotide: 5'-GGGGTTGTGGACGGACGGACT-3'   | Eurofins           | N/A               |
| ID1 primers                                                   | Qiagen             | QT00230650        |
| ID3 primers                                                   | Qiagen             | QT01673336        |
| GAPDH primers                                                 | Qiagen             | QT01192646        |
| <b>Recombinant DNA</b>                                        |                    |                   |
| Plasmid: NanoLuc® luciferase ID1 fusion protein               | This paper         | N/A               |
| Plasmid: pcDNA3-ID1-Flag                                      | This paper         | N/A               |
| Plasmid: pcDNA3-HA-Ubiquitin                                  | This paper         | N/A               |
| Plasmid: pGEV-PSP-mld1                                        | This paper         | N/A               |
| Plasmid: pGEV-PSP-mld3                                        | This paper         | N/A               |
| <b>Software and Algorithms</b>                                |                    |                   |
| WinNonLin (version 8.1)                                       | Certara            | N/A               |
| Image-Pro Plus software                                       | Media Cybernetics  | N/A               |
| Phenix                                                        | Adams et al., 2010 | N/A               |
| Schrodinger Suite version 2016-1                              | Schrodinger        | N/A               |
| Byonic version 2.5                                            | Protein Metrics    | N/A               |
| Odyssey application software version 3.0.30                   | LI-COR             | N/A               |
| Prism                                                         | GraphPad Software  | N/A               |
| Other                                                         |                    |                   |
| N/A                                                           |                    |                   |

FIG. 15 (Cont.)

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|                                                 | Id1 (51-104)                     | Id1 (58-104)                     | Id1-E47                          |
|-------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Data collection</b>                          |                                  |                                  |                                  |
| Beamline                                        | BNL-X9A                          | CHESS                            | BNL-X9A                          |
| Space group                                     | P2 <sub>1</sub>                  | P2 <sub>1</sub>                  | P4 <sub>2</sub> 2 <sub>1</sub> 2 |
| Cell dimensions                                 |                                  |                                  |                                  |
| a, b, c (Å)                                     | 32.17, 28.98, 50.33              | 25.89, 57.71, 32.10              | 54.96, 54.96, 81.94              |
| $\alpha, \beta, \gamma$ (°)                     | 90, 97.94, 90                    | 90, 114.29, 90                   | 90, 90, 90                       |
| Resolution (Å)                                  | 20–1.8 (1.9–1.8)                 | 30–1.5 (1.55–1.5)                | 20–1.9 (2.0–1.9)                 |
| Wavelength (Å)                                  | 0.979                            | 0.95                             | 0.92                             |
| R <sub>sym</sub>                                | 0.072 (0.376)                    | 0.041 (0.253)                    | 0.064 (0.317)                    |
| R <sub>plm</sub>                                | 0.044 (0.231)                    | 0.028 (0.234)                    | 0.026 (0.14)                     |
| $\langle I \rangle / \langle \sigma(I) \rangle$ | 32.8 (7.5)                       | 35.9 (3.3)                       | 29.3 (5.5)                       |
| Completeness (%)                                | 99.3 (96.8)                      | 98.1 (97.8)                      | 98.7 (99.5)                      |
| Redundancy                                      | 3.6 (3.6)                        | 3.0 (2.8)                        | 7.0 (7.0)                        |
| Unique relections                               | 8782                             | 13599                            | 10249                            |
| <b>Refinement</b>                               |                                  |                                  |                                  |
| R <sub>work</sub> / R <sub>free</sub>           | 0.183 / 0.218<br>(0.218 / 0.283) | 0.186 / 0.239<br>(0.215 / 0.290) | 0.186 / 0.218<br>(0.237 / 0.299) |
| B-factors (Å <sup>2</sup> )                     | 24.77 / 18.1                     | 35.9 / 21.1                      | 21.6 / 16.8                      |
| Average/Wilson                                  |                                  |                                  |                                  |
| RMS deviations                                  |                                  |                                  |                                  |
| bond lengths (Å)                                | 0.007                            | 0.006                            | 0.003                            |
| bond angles (°)                                 | 0.77                             | 0.814                            | 0.609                            |
| Ramachandran plot                               |                                  |                                  |                                  |
| % favored                                       | 100                              | 100                              | 100                              |
| % allowed                                       | 0                                | 0                                | 0                                |
| outliers                                        | none                             | none                             | none                             |
| <b>Model contents</b>                           |                                  |                                  |                                  |
| Protomers / ASU                                 | 2                                | 2                                | 1                                |
| Protein residues                                | 94                               | 90                               | 98                               |
| Water                                           | 95                               | 75                               | 153                              |
| PDB ID                                          | 6MGM                             | 6U2U                             | 6MGN                             |

Values in parentheses refer to the highest resolution shell.

R<sub>free</sub> set consists of 5% of data chosen randomly against which structures was refined.

FIG. 16

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| Sequence                                 | PEP - 2D | Calc. - m/z | ppm - err. | Obs. - MH | Retention Time | estimated bin size (AUC) |
|------------------------------------------|----------|-------------|------------|-----------|----------------|--------------------------|
| K.ELV[+419.18850]PTLPQNR.K               | 0.00074  | 793.4243    | -0.41      | 1585.8406 | 69.0088        | 1.44E+07                 |
| K.ELV[+419.18850]PTLPQNR.K               | 0.0015   | 793.4243    | -3.11      | 1585.8364 | 70.0272        |                          |
| K.ELVPT[+419.18850]LPQNR.K               | 5.30E-05 | 793.4243    | -0.26      | 1585.8409 | 68.752         |                          |
| K.ELVPTLPQNR[+419.18850].K               | 0.00063  | 793.4243    | -0.11      | 1585.8411 | 70.5406        |                          |
| K.ELVPTLPQ[+419.18850]NR.K               | 0.00033  | 793.4243    | -0.72      | 1585.8401 | 69.5203        |                          |
| K.ELVPTLPQ[+419.18850]NR.K               | 0.0006   | 793.4243    | 0.2        | 1585.8416 | 72.3356        |                          |
| K.ELVPTLPQ[+419.18850]NR.K               | 0.0014   | 793.4243    | -2.88      | 1585.8367 | 70.2866        |                          |
| K.ELVPTLP[+419.18850]QNR.K               | 0.00034  | 793.4243    | -0.95      | 1585.8398 | 71.5705        |                          |
| K.ELVPTLP[+419.18850]QNR.K               | 0.00067  | 793.4243    | -1.42      | 1585.839  | 71.3153        |                          |
| K.ELVPI[+419.18850]TLPQNR.K              | 3.60E-05 | 793.4243    | -0.88      | 1585.8399 | 73.352         |                          |
| K.ELVP[+419.18850]TLPQNR.K               | 0.00021  | 793.4243    | 0.82       | 1585.8426 | 72.5901        |                          |
| K.ELVP[+419.18850]TLPQNR.K               | 0.00063  | 793.4243    | 0.59       | 1585.8422 | 73.6056        |                          |
| K.ELVP[+419.18850]TLPQNR.K               | 0.00034  | 793.4243    | -1.26      | 1585.8393 | 74.1112        |                          |
| K.ELVP[+419.18850]TLPQNR.K               | 0.0012   | 793.4243    | -0.26      | 1585.8409 | 73.0997        |                          |
| K.ELVP[+419.18850]TLPQNR.K               | 0.00033  | 793.4243    | -0.72      | 1585.8401 | 71.8301        |                          |
| R.LKELV[+419.18850]PTLP[+419.18850]QNR.K | 0.0037   | 749.4078    | -2.5       | 2246.2032 | 48.83          | 8.10E+06                 |

FIG. 17

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| Sample                    | Sequence                        | PEP     | Calc.<br>m/z | ppm<br>err | Obs.<br>MH | Retention<br>Time | estimated bin size (AUC) |
|---------------------------|---------------------------------|---------|--------------|------------|------------|-------------------|--------------------------|
| Without AGX51 competition | KELVPTLPQN[+419,18850]R.K       | 3.0E-08 | 793.42428    | -1.3       | 1585.8392  | 67.0              | 1.10E+08                 |
|                           | KELVPTLPQN[+419,18850]R.K       | 3.0E-08 | 793.42428    | -1.3       | 1585.8393  | 70.8              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 2.7E-07 | 793.42428    | -1.4       | 1585.8390  | 69.8              | wfb                      |
|                           | KELVPTLPQN[+419,18850]R.K       | 2.7E-07 | 793.42428    | -1.8       | 1585.8384  | 69.0              | wfb                      |
|                           | KELVPTLPQN[+419,18850]R.K       | 3.1E-07 | 793.42428    | -0.8       | 1585.8400  | 68.8              | wfb                      |
|                           | KELVPTLPQN[+419,18850]R.K       | 3.5E-07 | 793.42428    | -1.3       | 1585.8392  | 69.6              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 4.0E-07 | 793.42428    | -1.5       | 1585.8389  | 71.6              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 4.0E-07 | 793.42428    | -1.1       | 1585.8395  | 70.1              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 4.5E-07 | 793.42428    | -0.7       | 1585.8401  | 71.9              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 4.5E-07 | 793.42428    | -0.6       | 1585.8403  | 70.6              | wfb                      |
|                           | KELVPTLPQN[+419,18850]R.K       | 4.5E-07 | 793.42428    | -1.6       | 1585.8387  | 69.3              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 6.6E-07 | 793.42428    | -0.2       | 1585.8410  | 71.1              | wfb                      |
|                           | KELVPTLPQN[+419,18850]R.K       | 6.6E-07 | 793.42428    | 0.2        | 1585.8416  | 67.8              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 6.8E-07 | 793.42428    | -1.1       | 1585.8395  | 67.3              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 2.7E-06 | 793.42428    | -2.8       | 1585.8368  | 68.3              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 3.1E-06 | 793.42428    | -2.6       | 1585.8371  | 70.3              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 3.2E-06 | 793.42428    | -2.3       | 1585.8376  | 68.5              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 7.8E-06 | 793.42428    | -1.3       | 1585.8392  | 68.0              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 7.8E-06 | 793.42428    | -1.1       | 1585.8395  | 72.4              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 1.2E-05 | 793.42428    | -0.9       | 1585.8399  | 71.3              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 2.3E-05 | 793.42428    | -1.6       | 1585.8387  | 72.6              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 2.3E-05 | 793.42428    | -1.0       | 1585.8396  | 72.1              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 1.5E-04 | 793.42428    | -0.9       | 1585.8399  | 72.9              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 2.5E-04 | 793.42428    | 0.0        | 1585.8412  | 66.3              | wfb                      |
|                           | R.KELVPTLPQN[+419,18850]LPQNR.K | 1.2E-06 | 609.67828    | -0.9       | 1827.0187  | 64.8              | 3.85E+07                 |
|                           | R.KELVPTLPQN[+419,18850]LPQNR.K | 2.5E-06 | 609.67828    | -0.4       | 1827.0196  | 66.5              | wfb                      |
|                           | R.KELVPTLPQN[+419,18850]R.K     | 2.7E-06 | 609.67828    | -0.5       | 1827.0194  | 62.6              | wfb                      |
|                           | R.KELVPTLPQN[+419,18850]R.K     | 7.3E-05 | 609.67828    | -1.2       | 1827.0181  | 62.6              | wfb                      |
|                           | R.KELVPTLPQN[+419,18850]LPQNR.K | 3.4E-04 | 609.67828    | -1.2       | 1827.0181  | 66.2              | wfb                      |
|                           | R.KELVPTLPQN[+419,18850]R.K     | 3.4E-04 | 609.67828    | -0.8       | 1827.0188  | 63.9              | wfb                      |
|                           | R.KELVPTLPQN[+419,18850]R.K     | 5.7E-04 | 609.67828    | -0.1       | 1827.0201  | 62.9              | wfb                      |
| With GX51 competition     | KELVPTLPQN[+419,18850]QNRK.V    | 1.4E-05 | 571.9836     | -1.0       | 1713.9345  | 61.5              | 1.08E+07                 |
|                           | KELVPTLPQN[+419,18850]QNRK.V    | 1.7E-05 | 571.9836     | 0.1        | 1713.9364  | 61.7              | wfb                      |
|                           | KELVPTLPQN[+419,18850]QNRK.V    | 2.2E-05 | 571.9836     | 0.7        | 1713.9375  | 60.8              | wfb                      |
|                           | KELVPTLPQN[+419,18850]QNRK.V    | 4.8E-05 | 571.9836     | -2.4       | 1713.9322  | 61.2              | wfb                      |
|                           | KELVPTLPQN[+419,18850]LPQNR.K   | 2.7E-04 | 793.42428    | 0.5        | 1585.8421  | 69.1              | 8.29E+06                 |

FIG. 18

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| Test type             | Test name             | Mean DMSO group | Mean AGX51 group |
|-----------------------|-----------------------|-----------------|------------------|
| Weight change         | Percent weight change | 12.83           | 15.22            |
| Clinical chemistry    | [BUN (mg/dL)]         | 25              | 24.5             |
|                       | [CREA (mg/dL)]        | 0.216           | 0.1925           |
|                       | BUN/CREA Ratio        | 115.76          | 128.4            |
|                       | [ALP (U/L)]           | 109.6           | 99               |
|                       | [ALT (U/L)]           | 38.2            | 53.25            |
|                       | [AST (U/L)]           | 74              | 77.5             |
|                       | [GGT U/L]             | 0               | 0                |
|                       | [TBIL (mg/dL)]        | 0.14            | 0.1              |
|                       | [DBIL (mg/dL)]        | 0.04            | 0                |
|                       | IBIL                  | 0.1             | 0.1              |
|                       | [TP (g/dL)]           | 4.32            | 4.25             |
|                       | [ALB (g/dL)]          | 2.68            | 2.525            |
|                       | GLOB (g/dL)           | 1.64            | 1.725            |
|                       | A/G Ratio             | 0.62            | 0.675            |
|                       | [P mg/dL]             | 6.72            | 6.525            |
|                       | [Ca (mg/dL)]          | 8.8             | 8.925            |
|                       | [GLU (mg/dL)]         | 198             | 194              |
|                       | [CHOL (mg/dL)]        | 77.4            | 75.25            |
|                       | [TRIG (mg/dL)]        | 114.2           | 113.75           |
|                       | [CK (U/L)]            | 170.2           | 126              |
|                       | [TCO2 (mEq/L)]        | 15              | 14               |
|                       | [Na (mEq/L)]          | 152.2           | 153.75           |
|                       | [K (mEq/L)]           | 4.52            | 4.175            |
|                       | [CL(mEq/L)]           | 114.4           | 116              |
|                       | [Na/K]                | 33.8            | 36.75            |
|                       | [Anion Gap]           | 27.4            | 27.75            |
| Complete blood counts | RBC (M/uL)            | 9.872           | 9.6525           |
|                       | HGB (g/dL)            | 15.42           | 14.95            |
|                       | HCT (%)               | 45.82           | 44.25            |
|                       | MCV (fL)              | 46.4            | 45.825           |
|                       | MCH (pg)              | 15.6            | 15.475           |
|                       | MCHC (g/dL)           | 33.66           | 33.825           |
|                       | RDW-SD (fL)           | 29.22           | 28.475           |
|                       | RDW-CV (%)            | 24.74           | 24.525           |
|                       | RET#(K/uL)            | 755.74          | 547              |
|                       | RET (%)               | 7.736           | 5.6525           |
|                       | PLT (K/uL)            | 984.6           | 1040.75          |
|                       | PDW (fL)              | 6.08            | 6                |
|                       | MPV (fL)              | 5.72            | 5.725            |
|                       | WBC# (K/uL)           | 8.478           | 9.945            |
|                       | NEUT# (K/uL)          | 1.638           | 2.5325           |
|                       | LYMPH# (K/uL)         | 6.502           | 6.96             |
|                       | MONO# (K/uL)          | 0.102           | 0.1825           |
|                       | EO# (K/uL)            | 0.222           | 0.2525           |
|                       | BASO# (K/uL)          | 0.014           | 0.0175           |
|                       | NEUT (%)              | 19.86           | 25.425           |
|                       | LYMPH (%)             | 75.88           | 69.975           |
|                       | MONO (%)              | 1.18            | 1.85             |
|                       | EO (%)                | 2.9             | 2.575            |
|                       | BASO (%)              | 0.18            | 0.175            |

FIG. 19

SUBSTITUTE SHEET (RULE 26)

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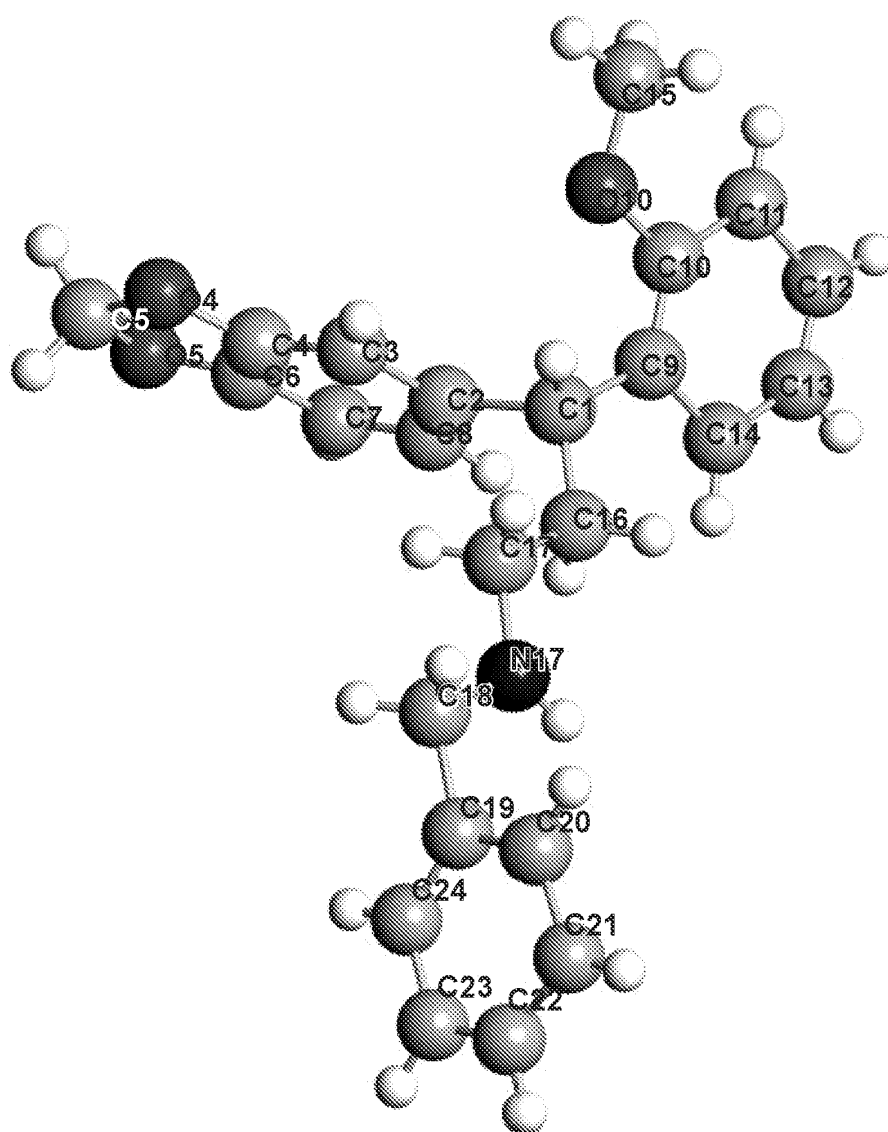


FIG. 20

SUBSTITUTE SHEET (RULE 26)

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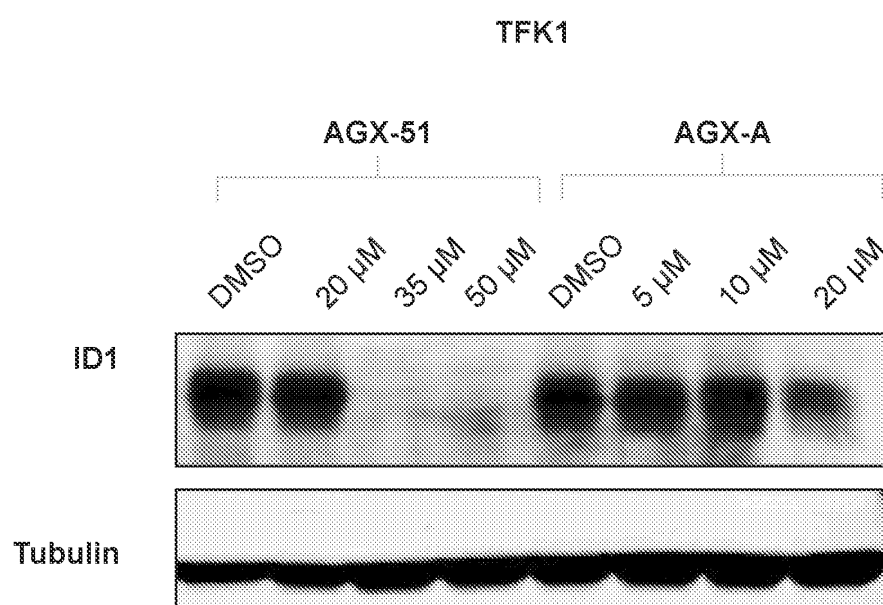


FIG. 21

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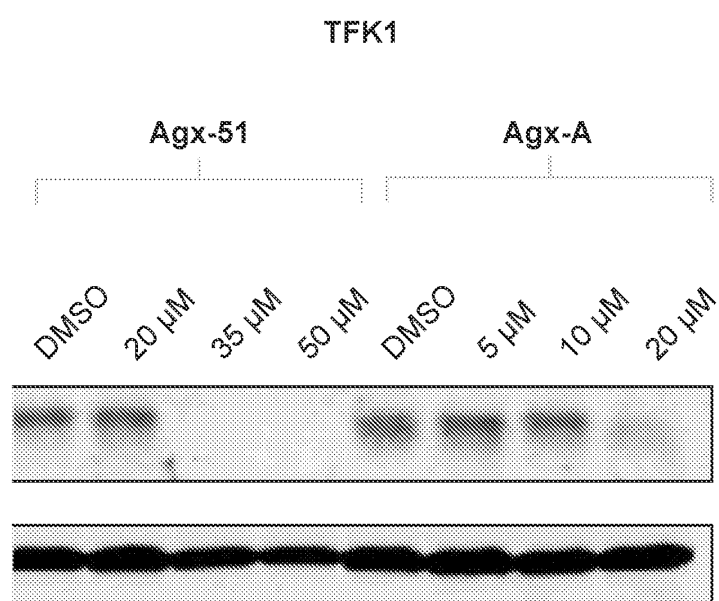


FIG. 22

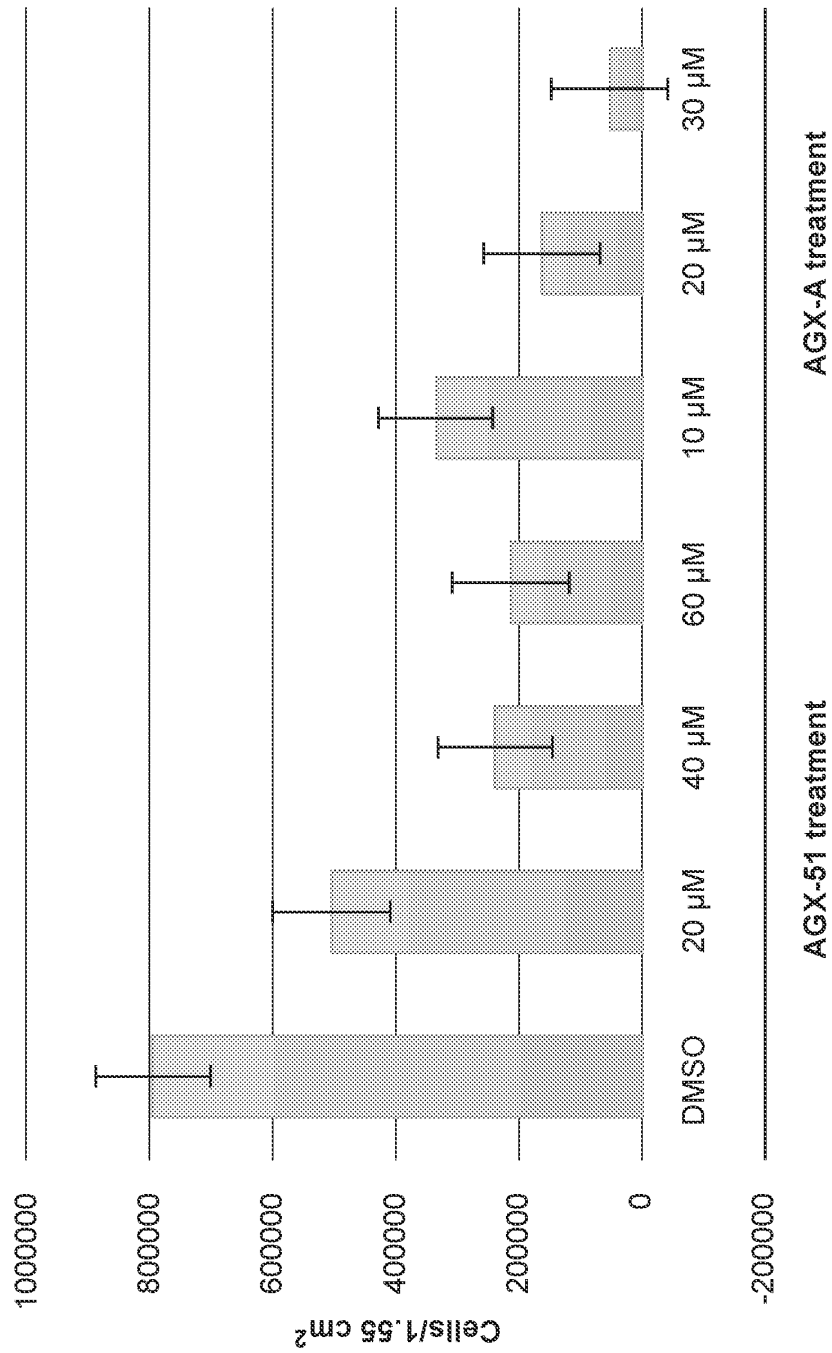


FIG. 23

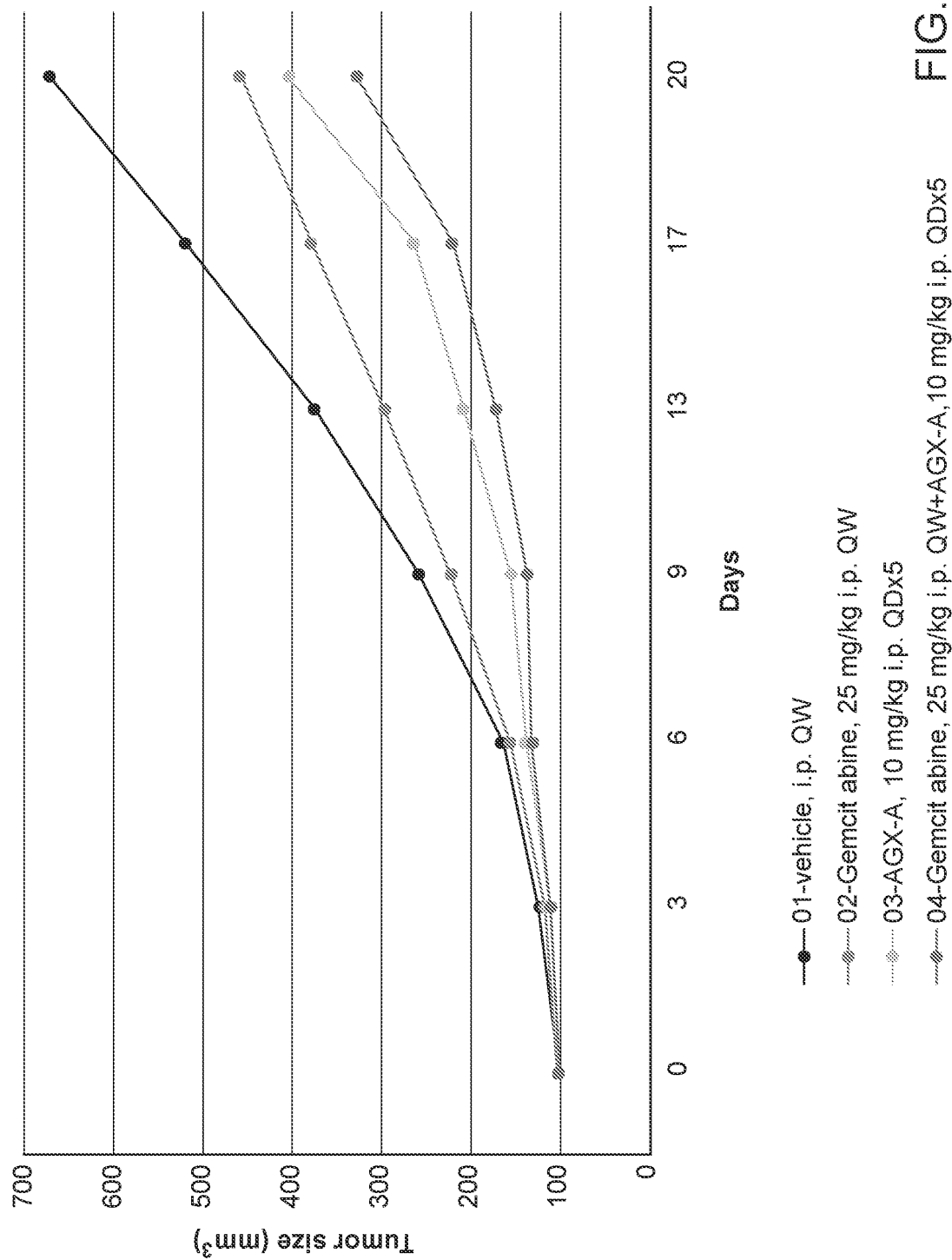


FIG. 24

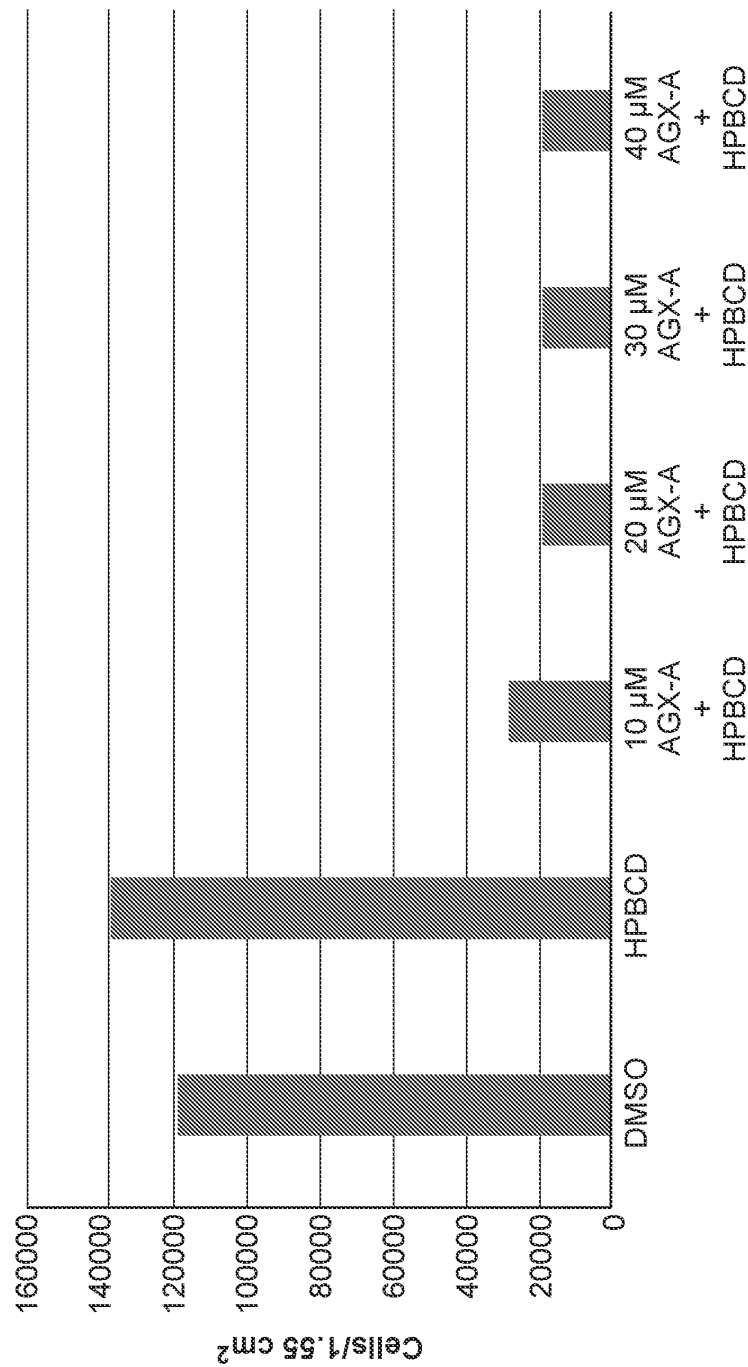


FIG. 25A

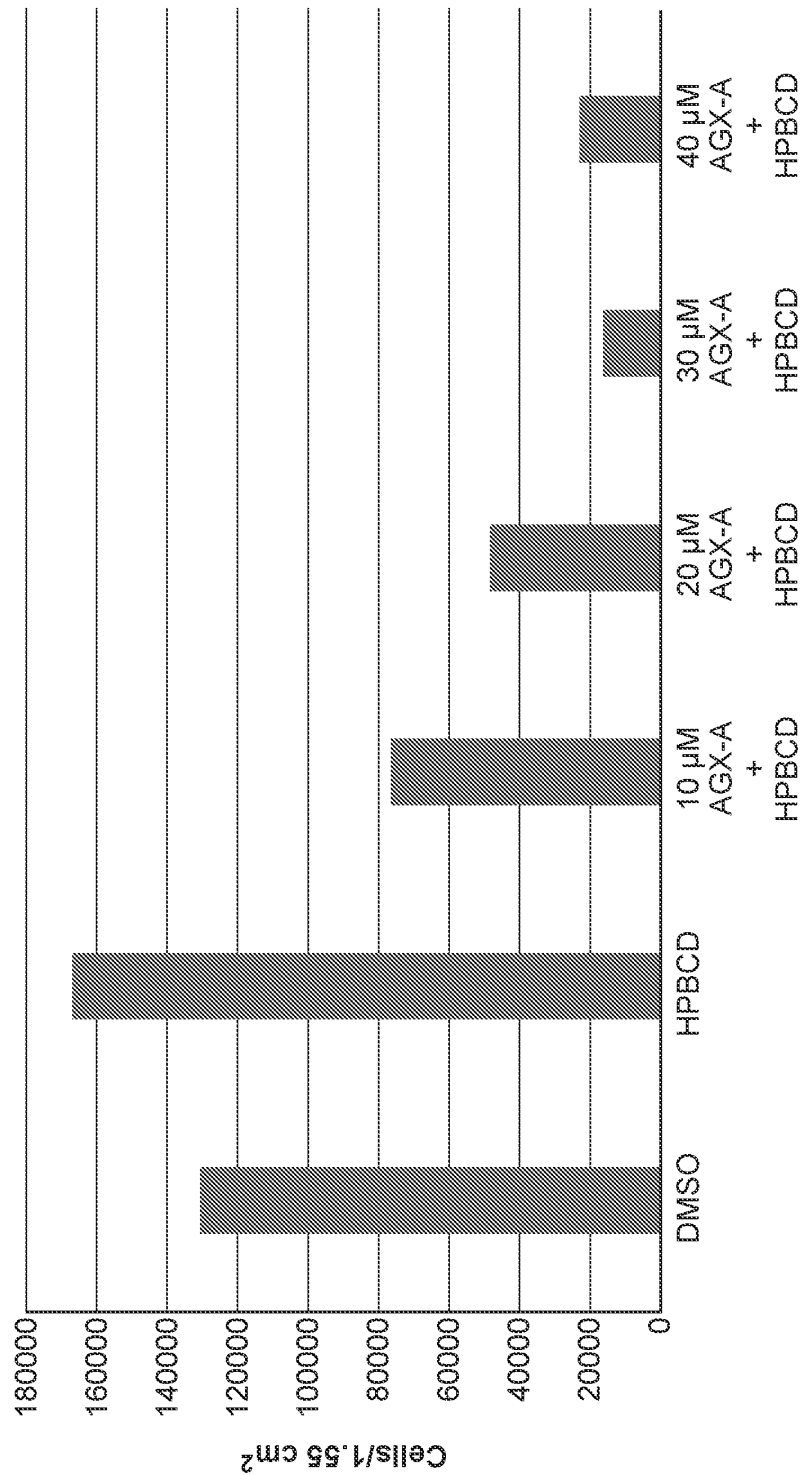


FIG. 25B

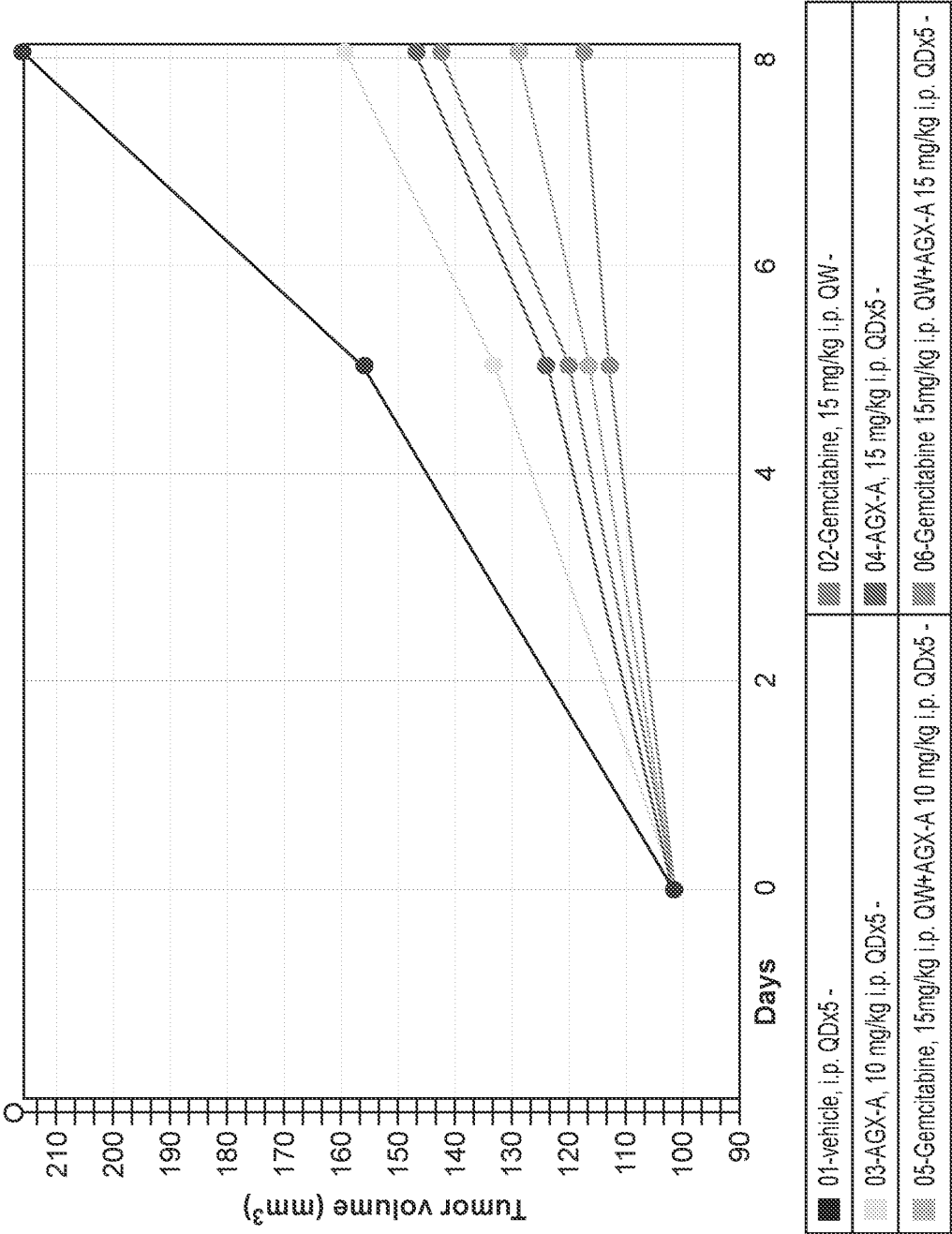


FIG. 26

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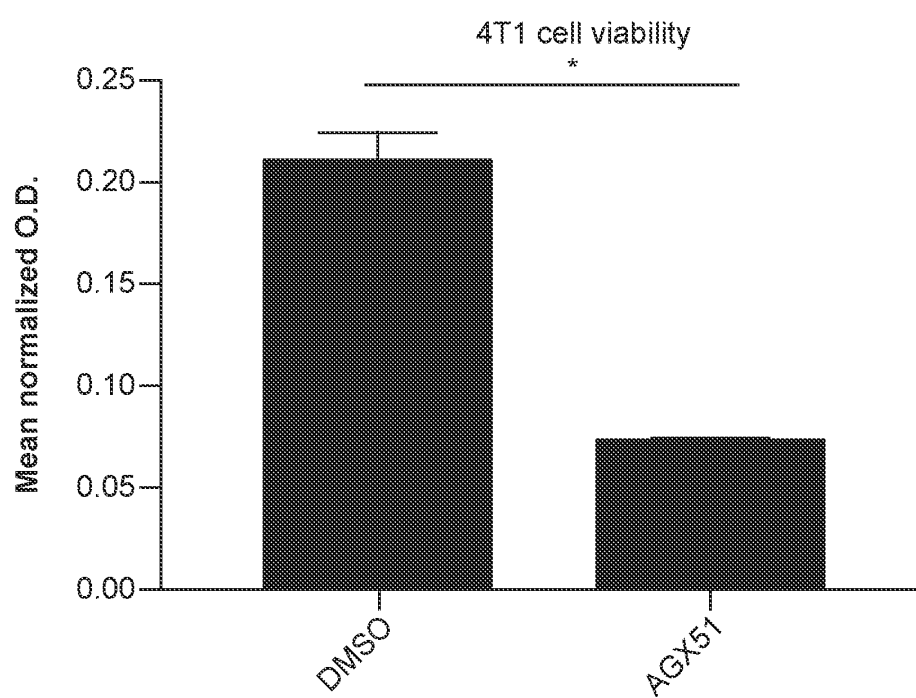


FIG. 27

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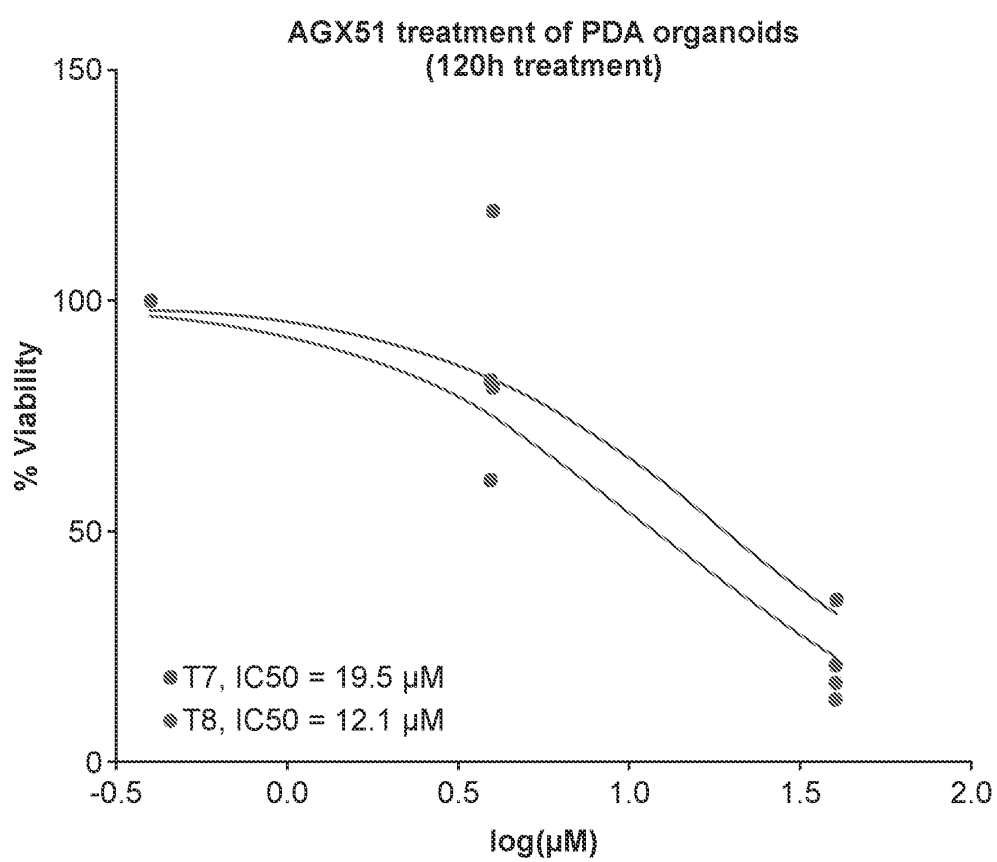


FIG. 28

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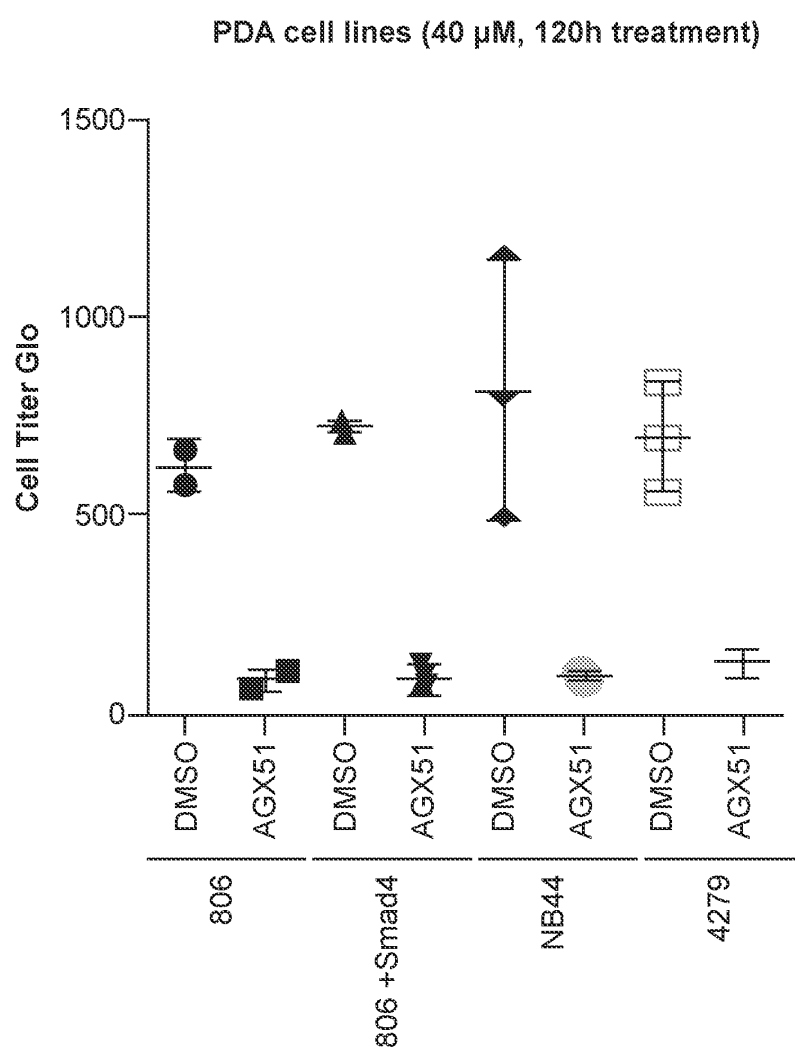


FIG. 29

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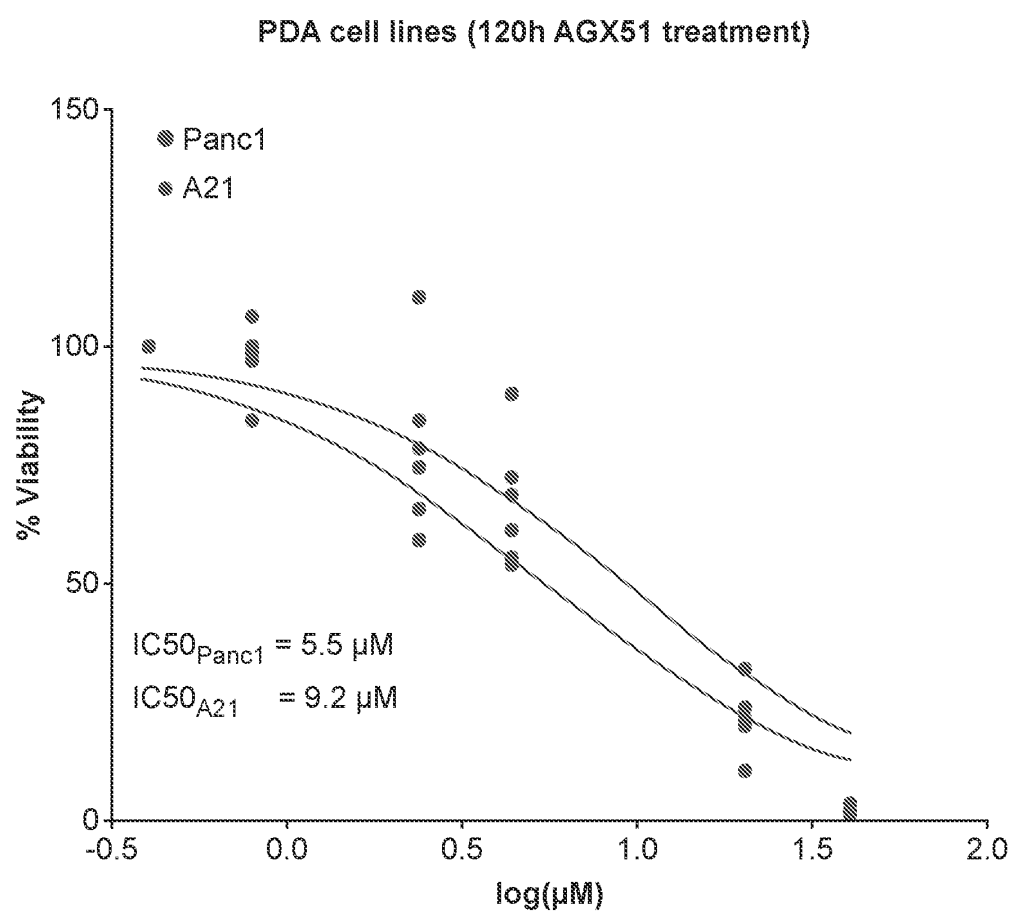


FIG. 30

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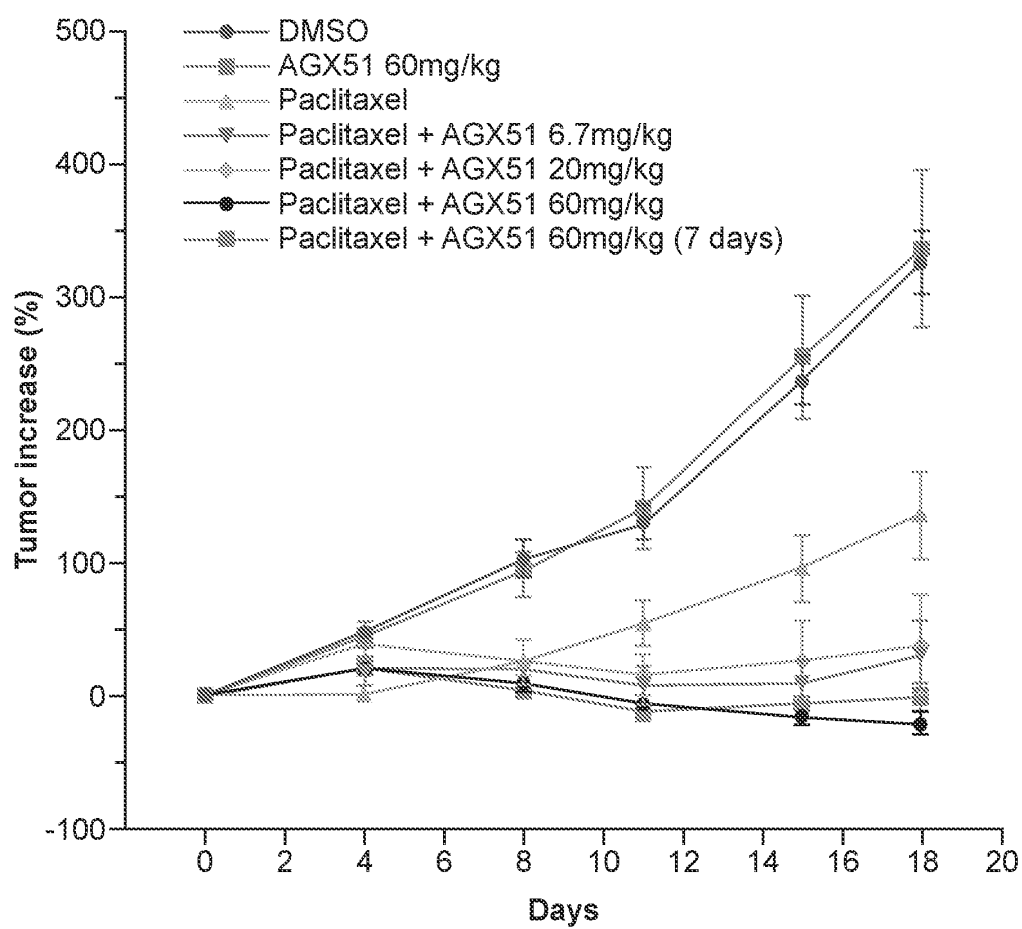


FIG. 31

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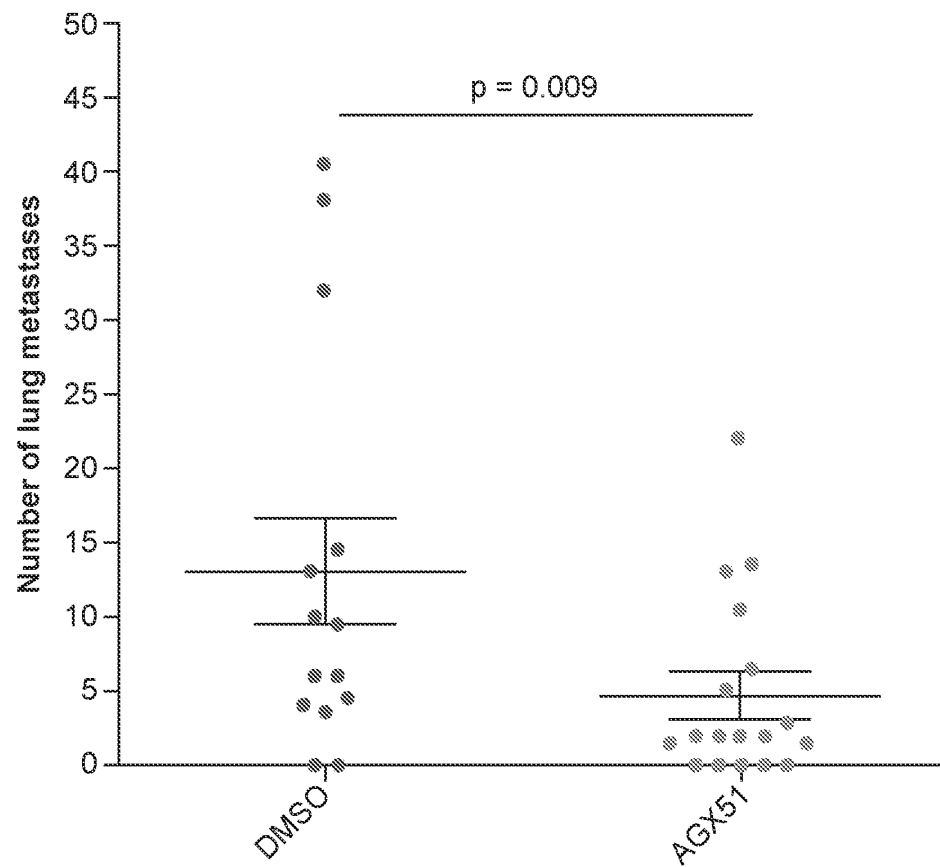


FIG. 32

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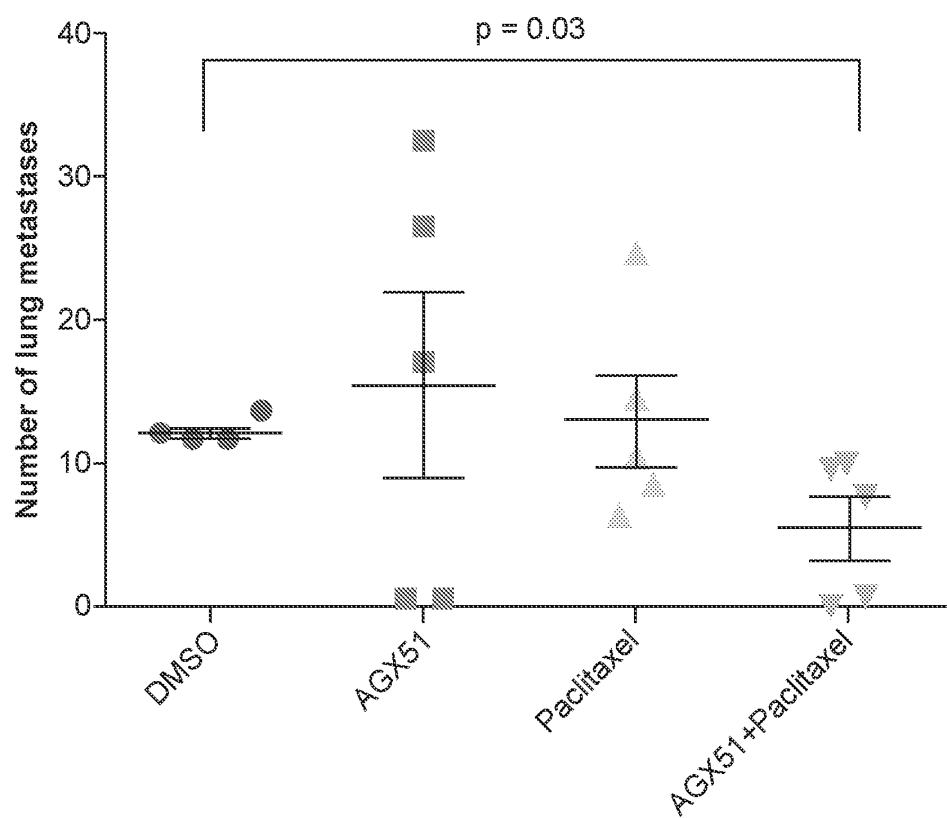


FIG. 33

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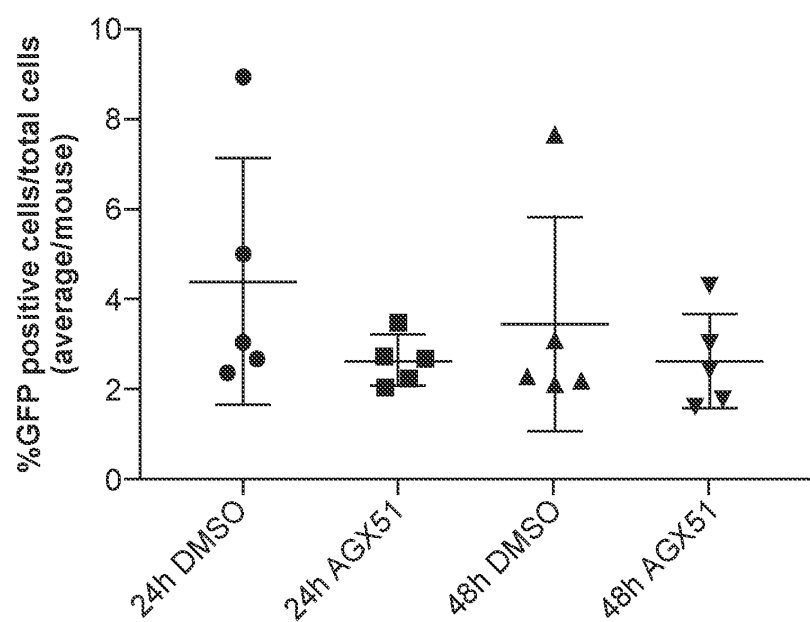


FIG. 34A

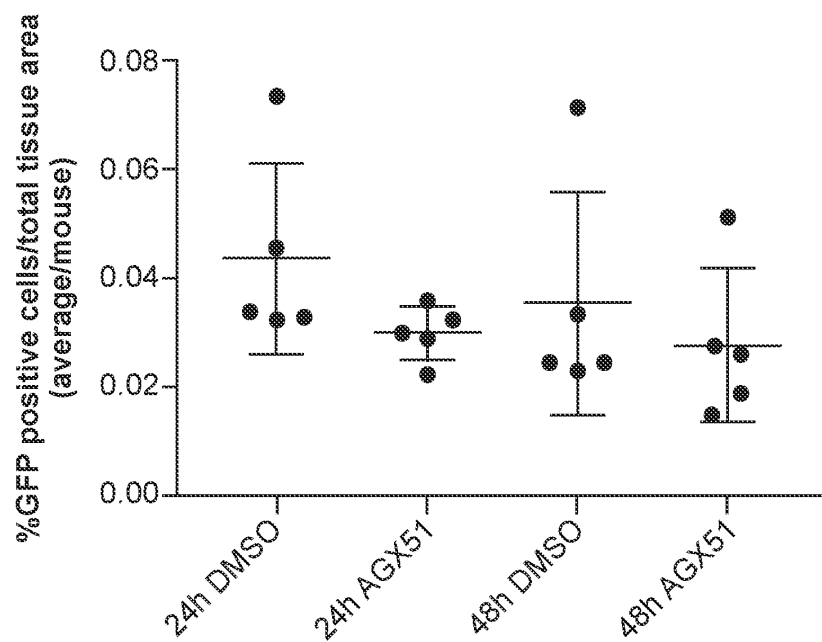


FIG. 34B

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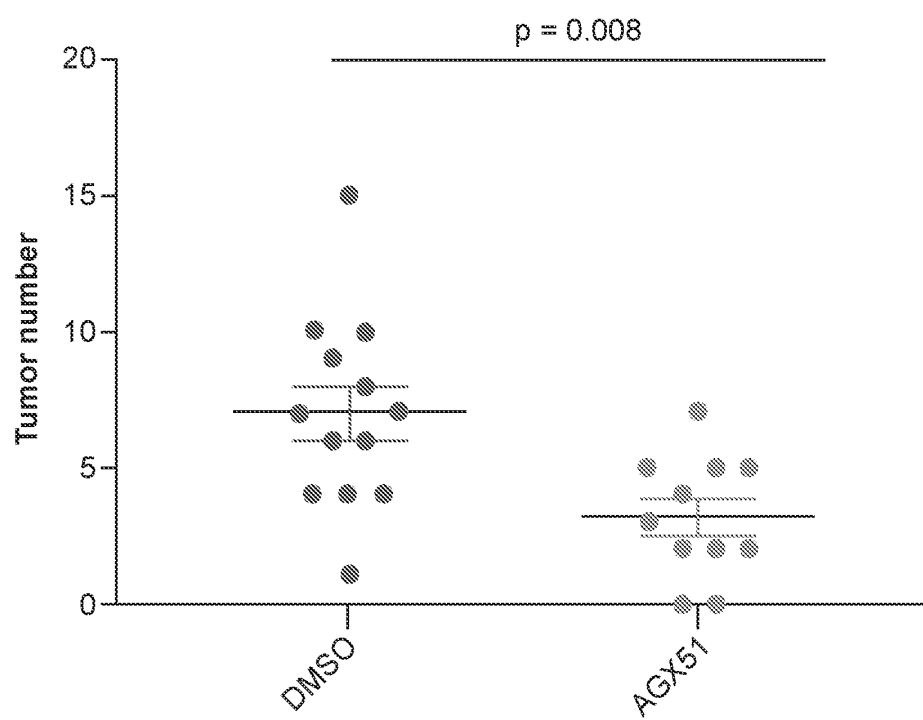


FIG. 35A

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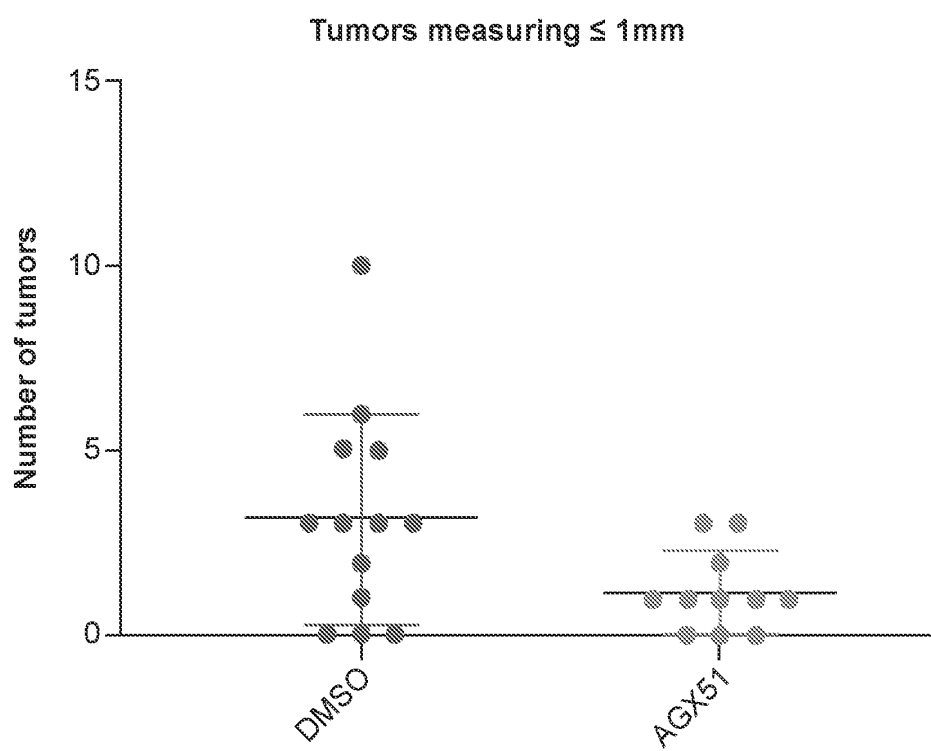


FIG. 35B

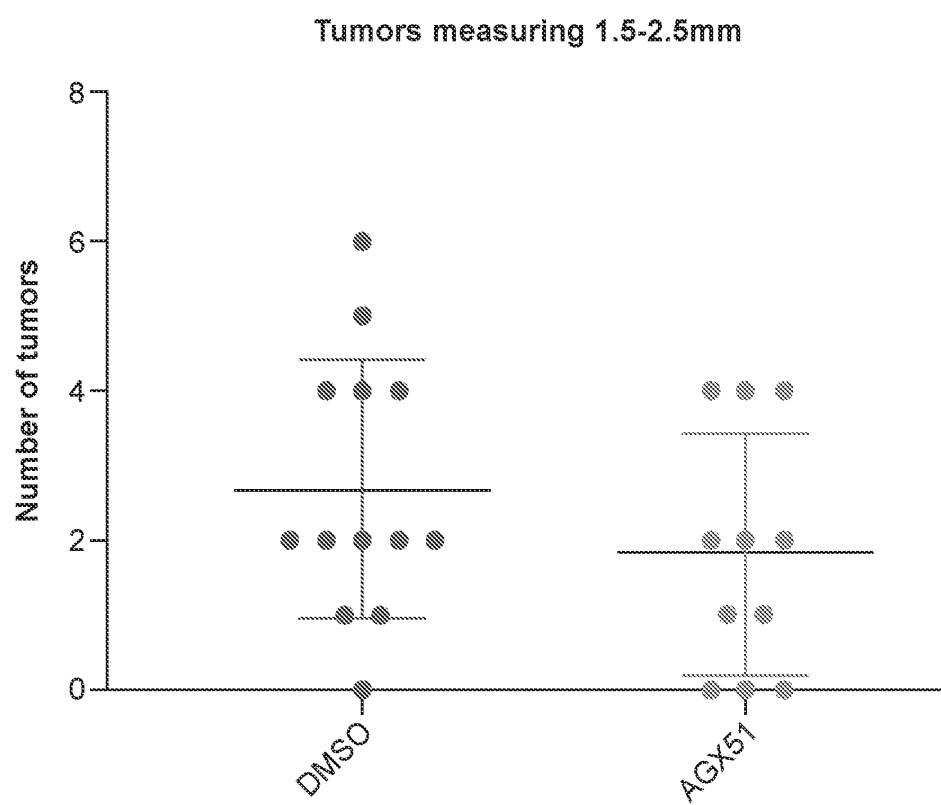


FIG. 35C

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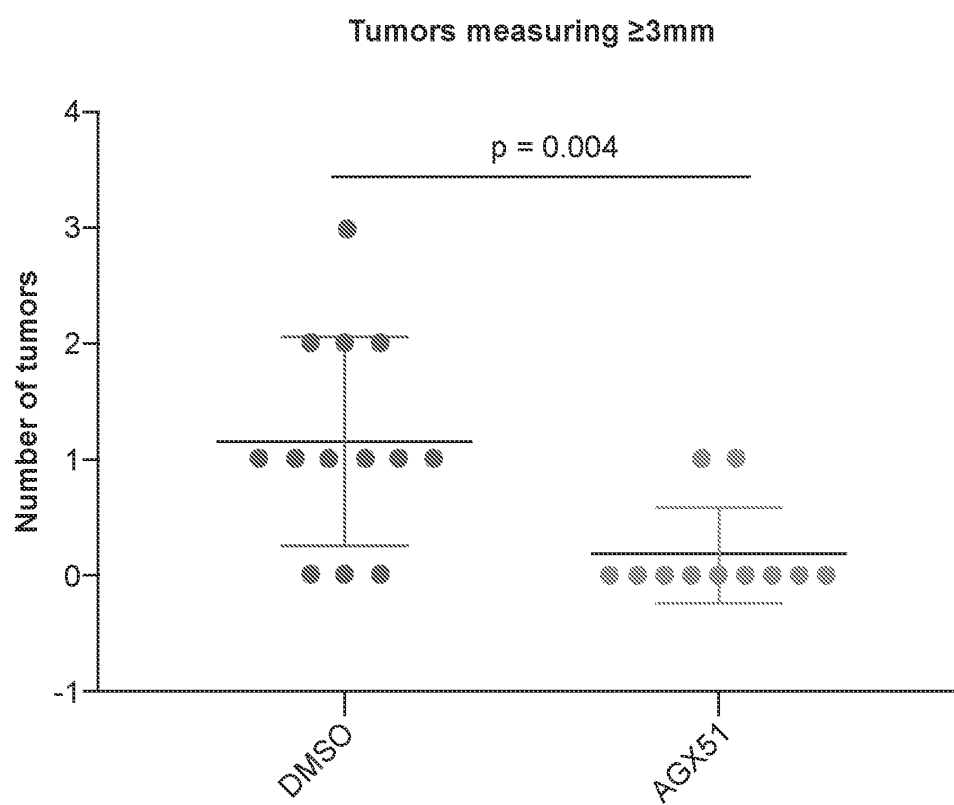


FIG. 35D