

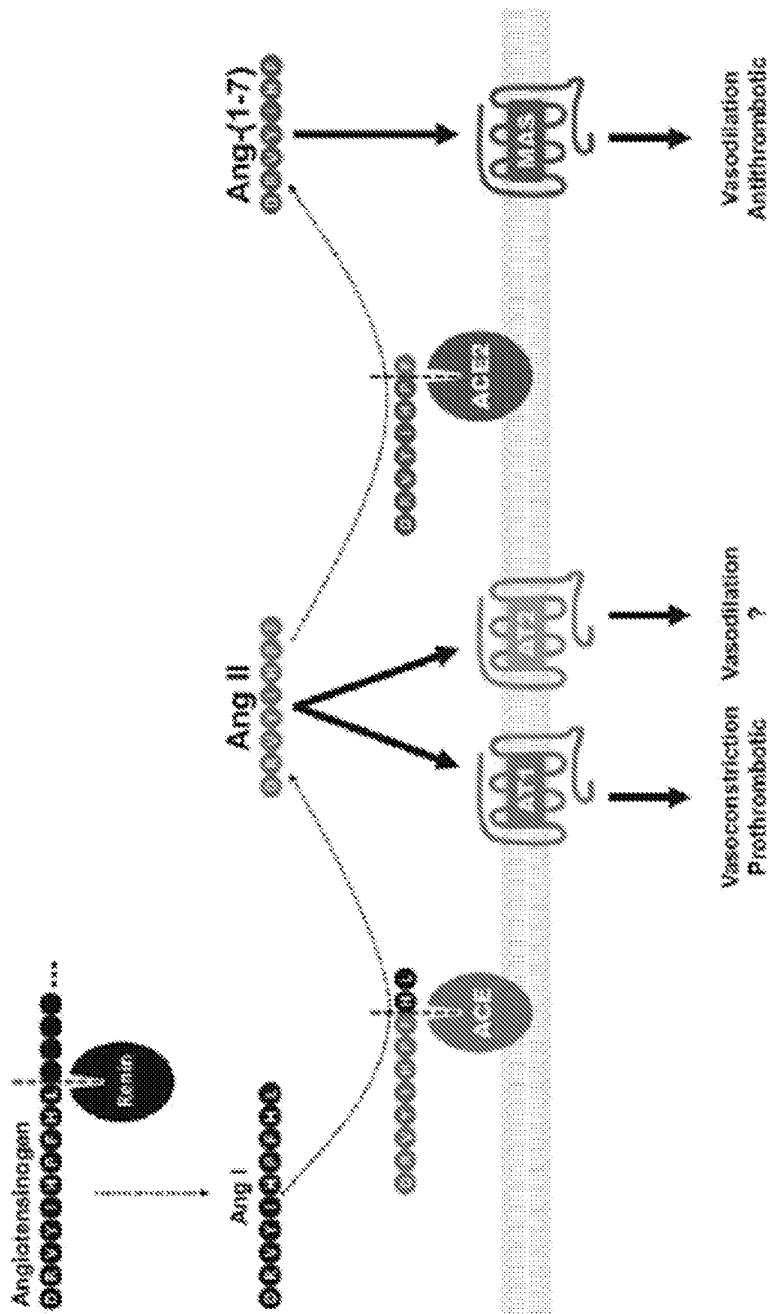


FIG. 1A

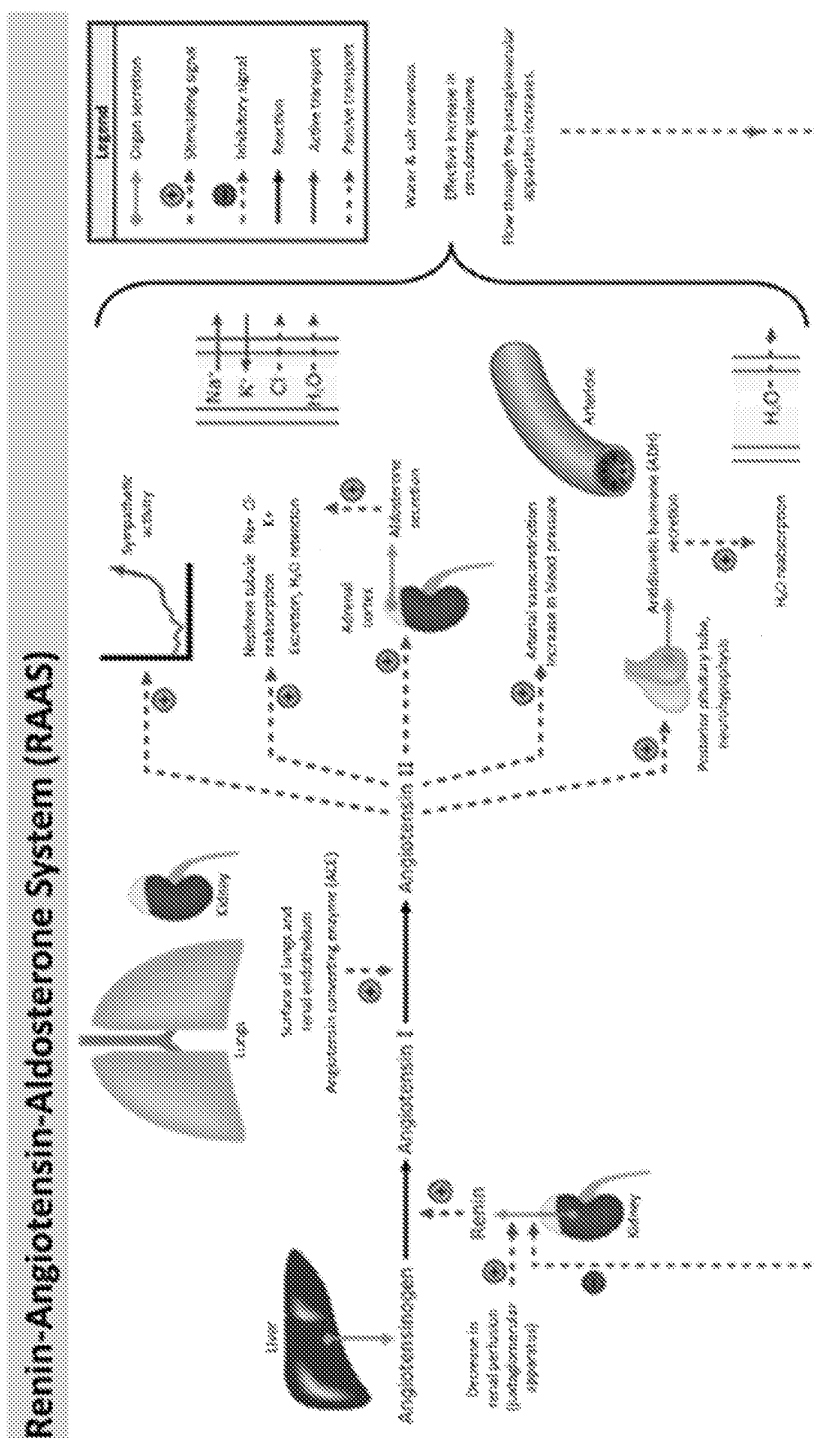
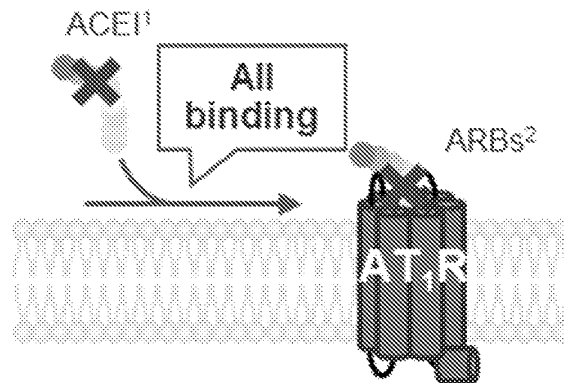


FIG. 1B

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Classical/Pathological



Physiological Result

- Vasoconstriction
- Pro-Inflammation
- Pro-Fibrosis
- Promote Epithelial Healing
- Promote Tissue Regeneration
- Activates Stem Cells

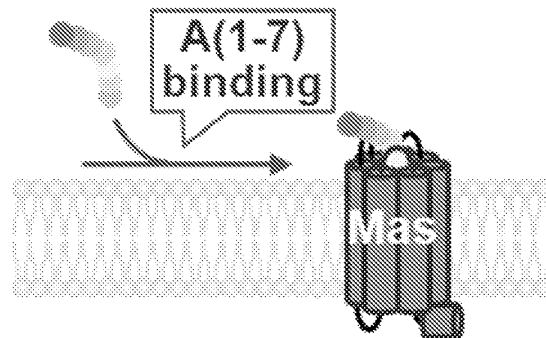
¹Angiotensin Converting Enzyme Inhibitors

²Angiotensin II Receptor Blockers

FIG. 2A

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Regenerative/Protective



Physiological Result

- Vasodilation
- Anti-Inflammation
- Anti-Fibrosis
- Promote Epithelial Healing
- Promote Tissue Regeneration
- Activates Stem Cells

FIG. 2B

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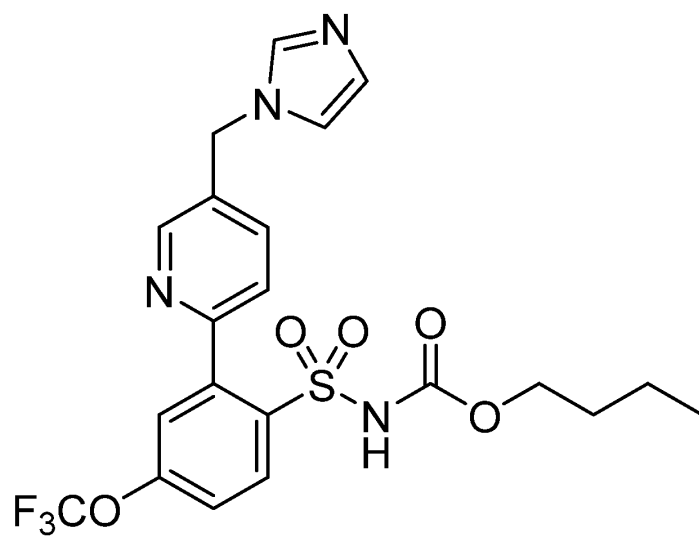


FIG. 3A

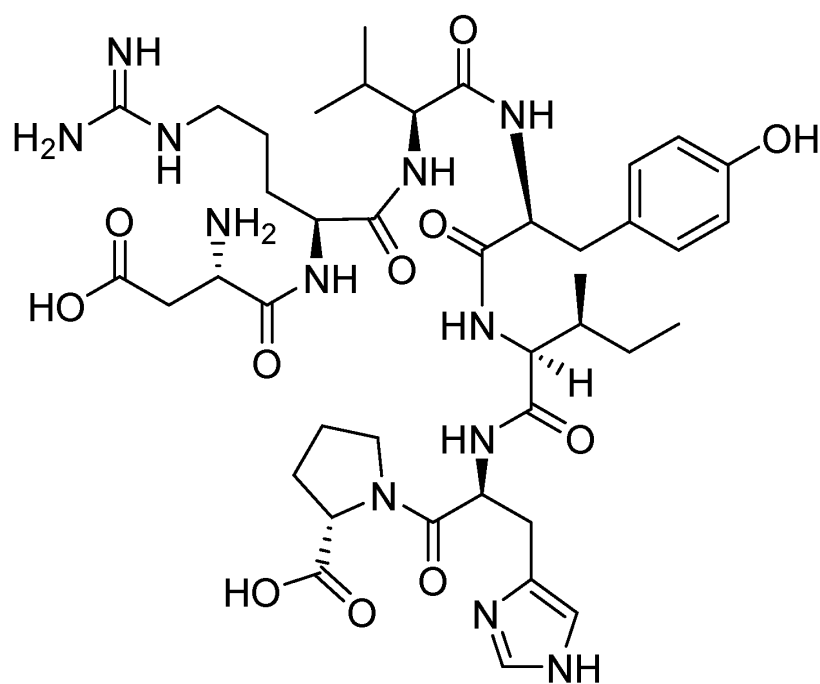


FIG. 3B

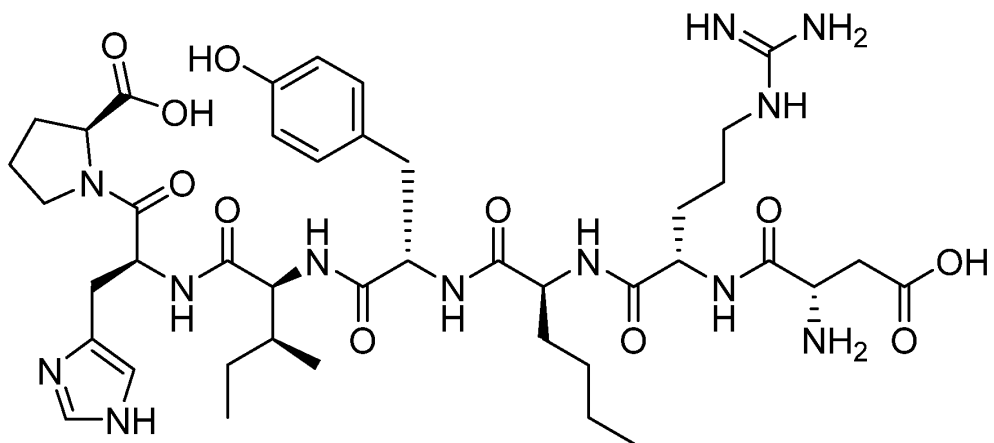


FIG. 3C

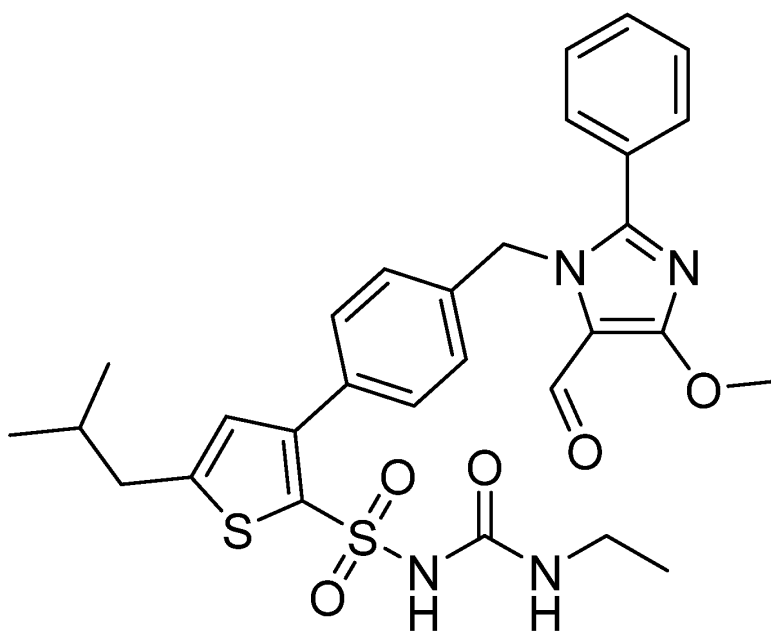


FIG. 3D

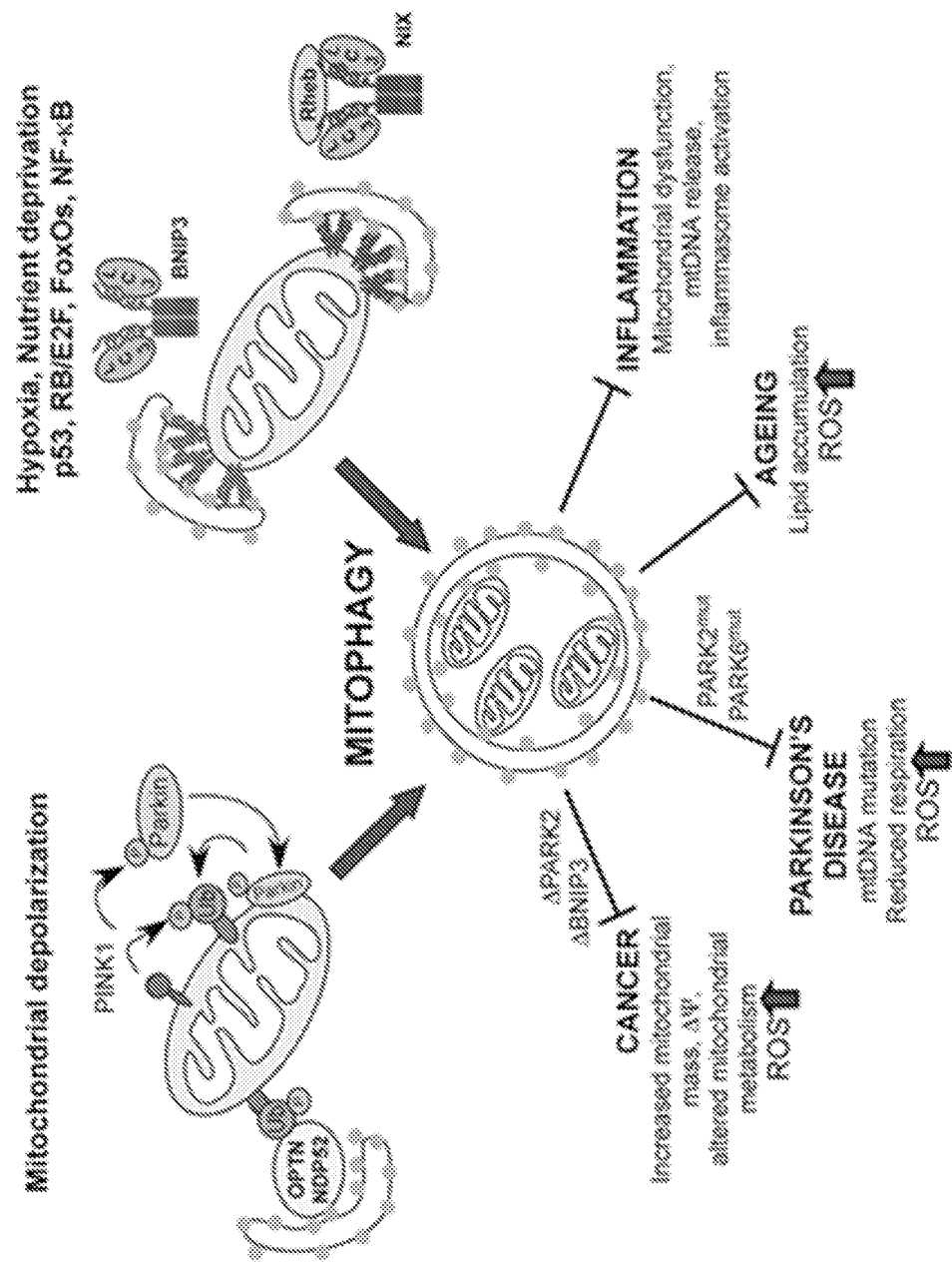


FIG. 4

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mChr-GFP-Fis1 Probe

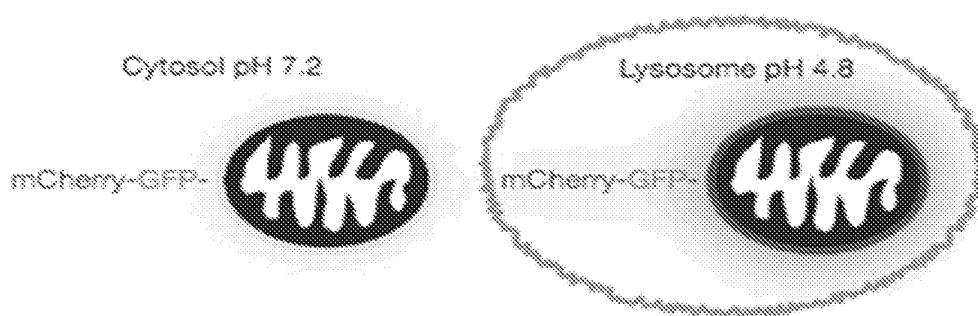
mCherry-GFP-FIS1₁₀₁₋₁₅₂

FIG. 5

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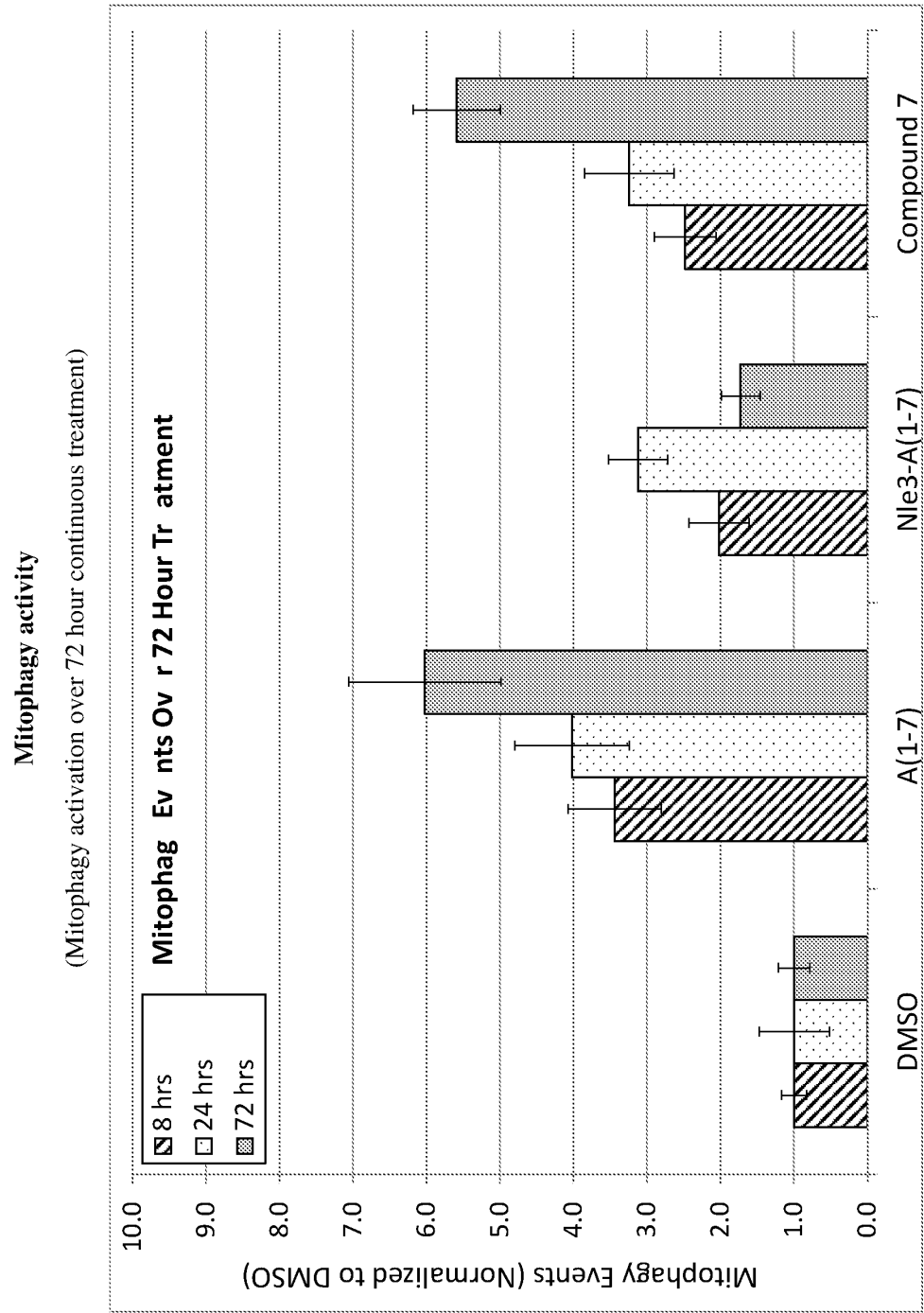


FIG. 6A

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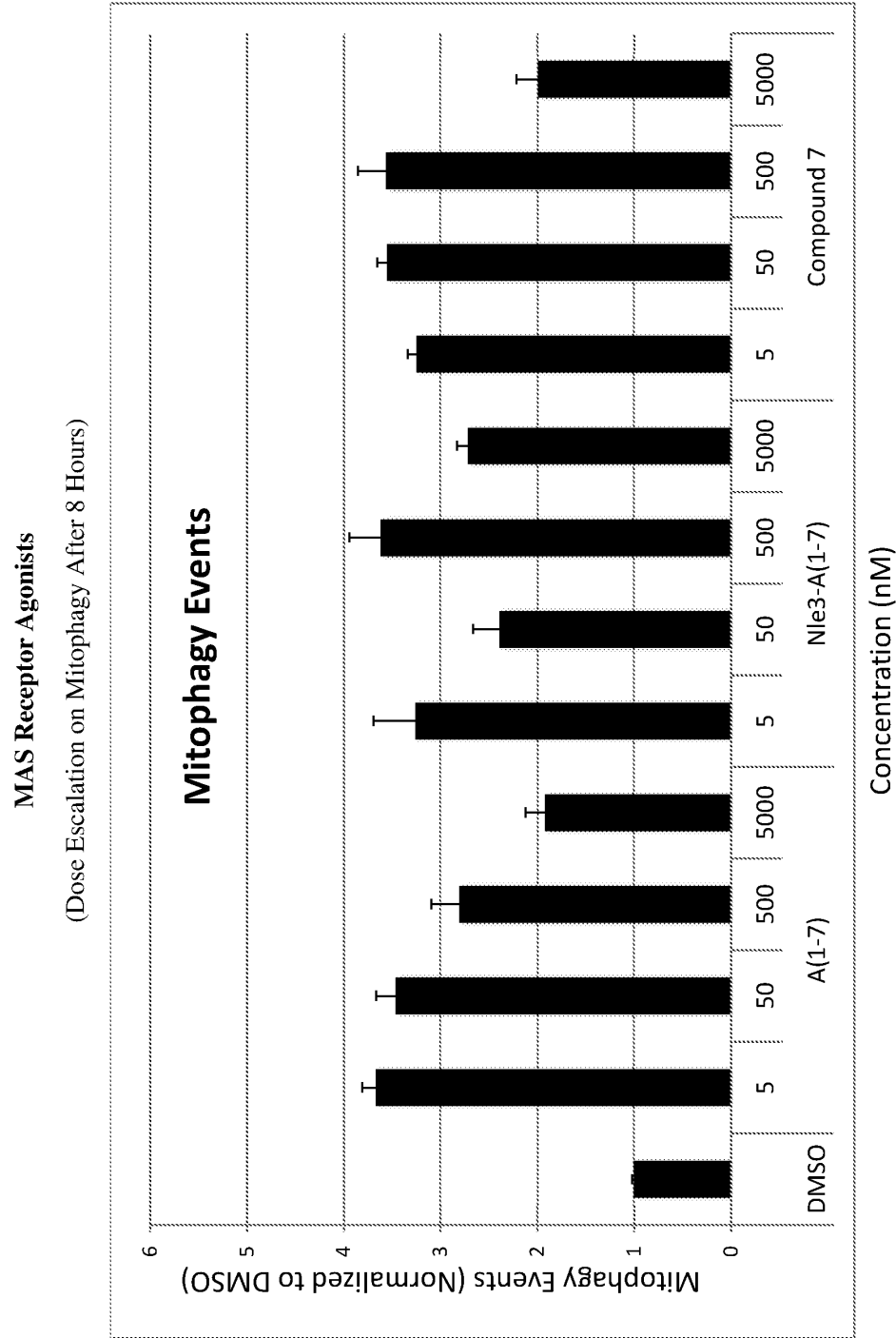
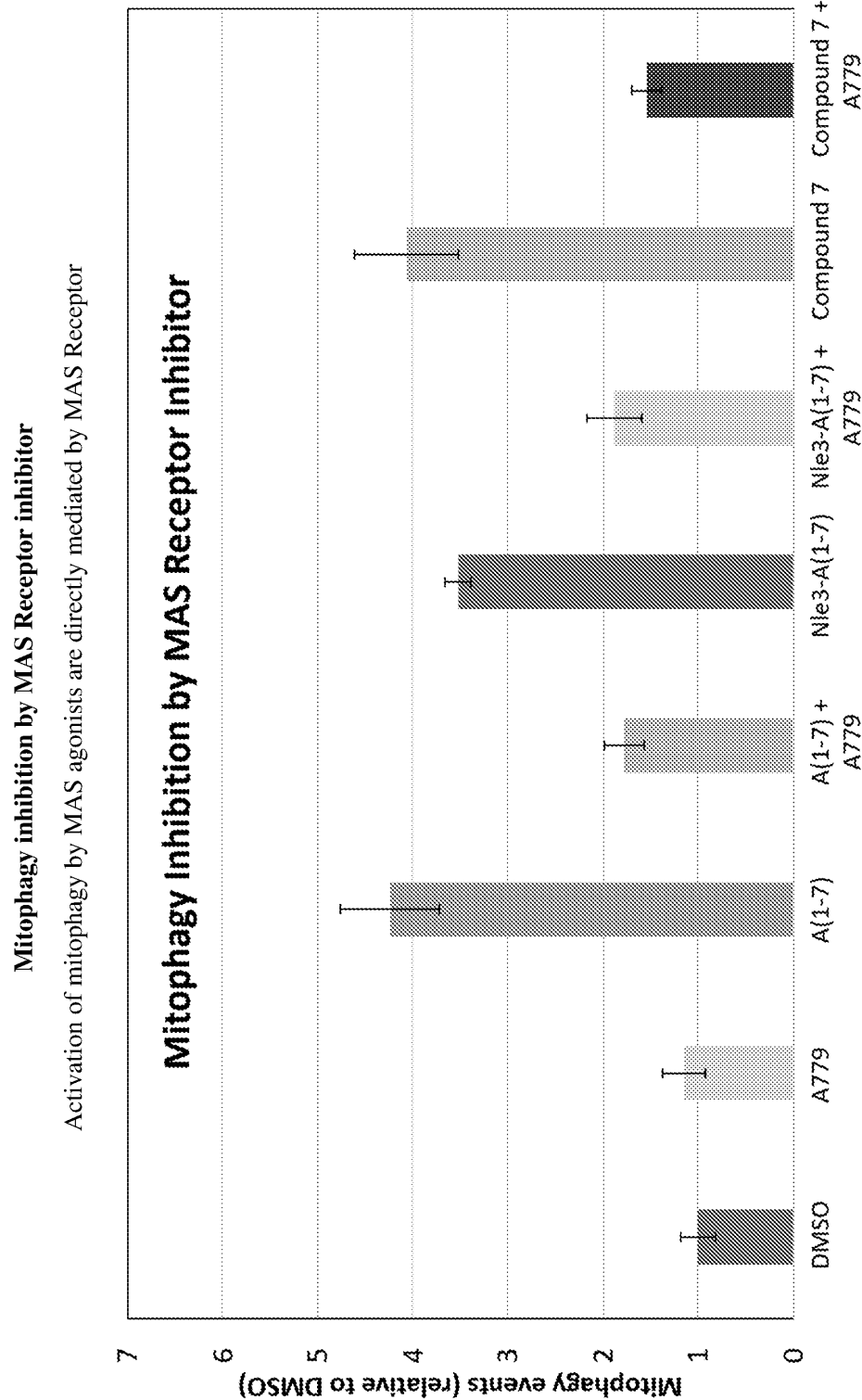


FIG. 6B



Inhibitor A779 (1 μ M) treatment is co-incubated with agonists (50 nM) for 24 hours

FIG. 6C

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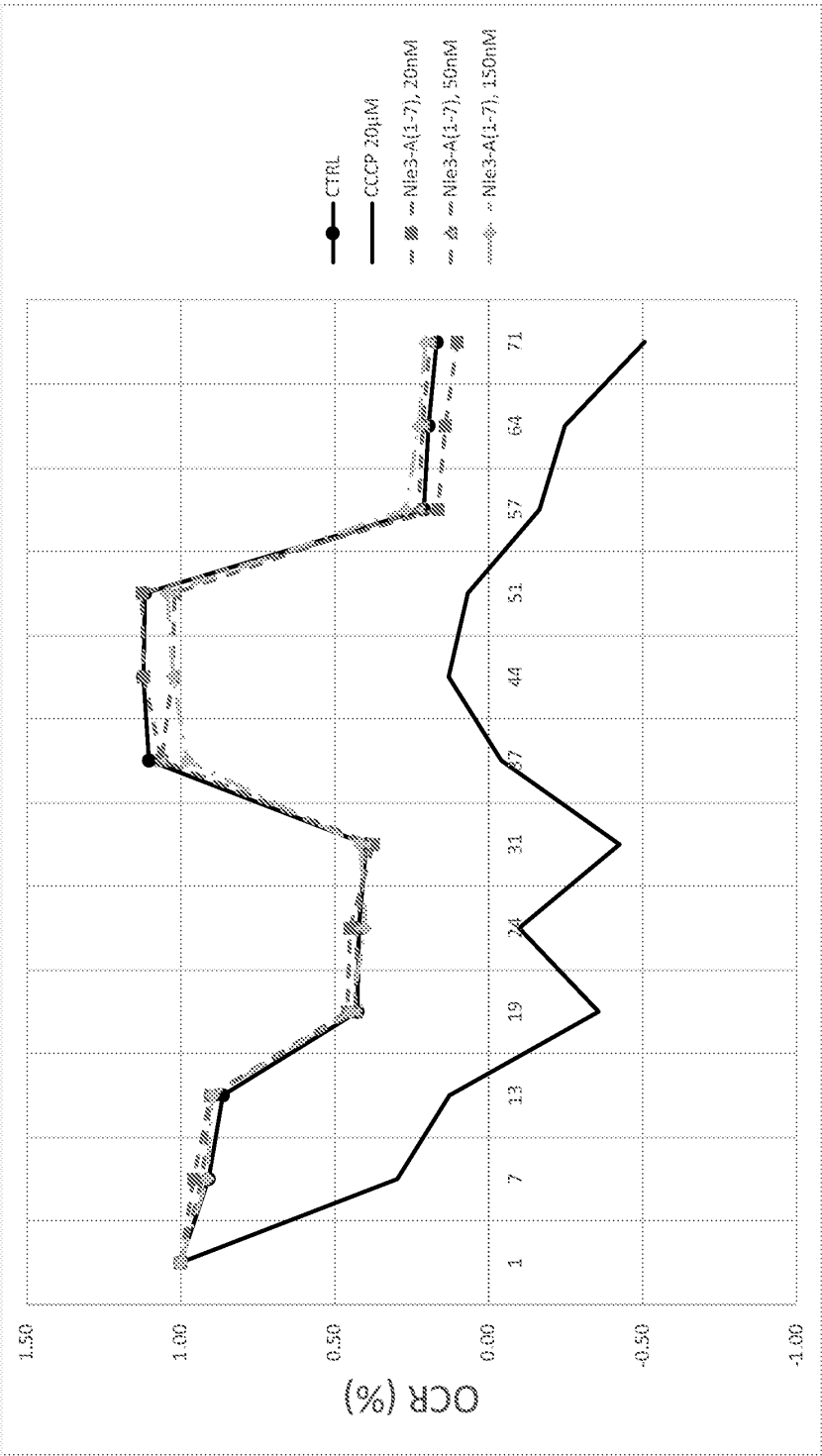


FIG. 7A

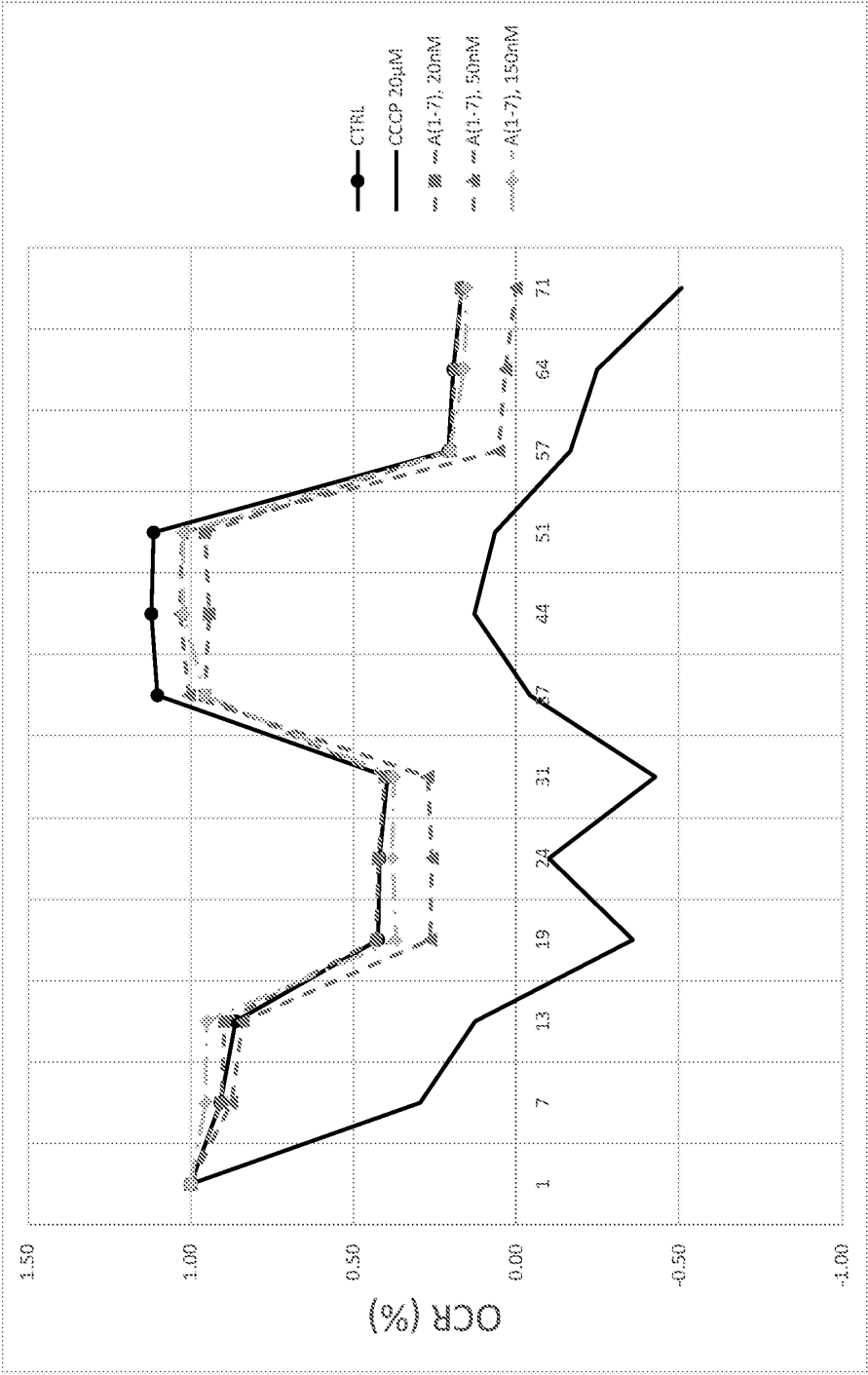


FIG. 7B

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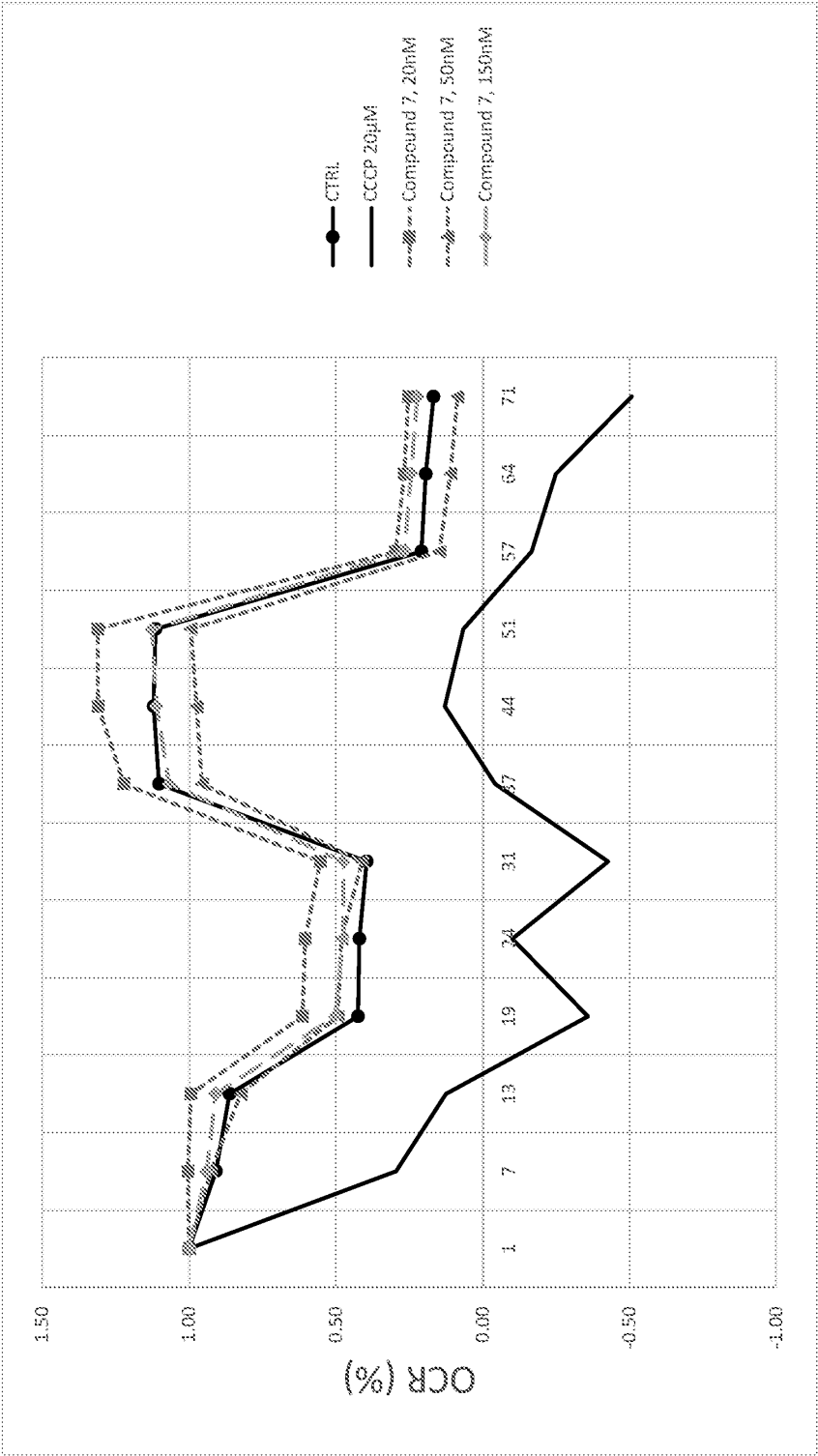


FIG. 7C

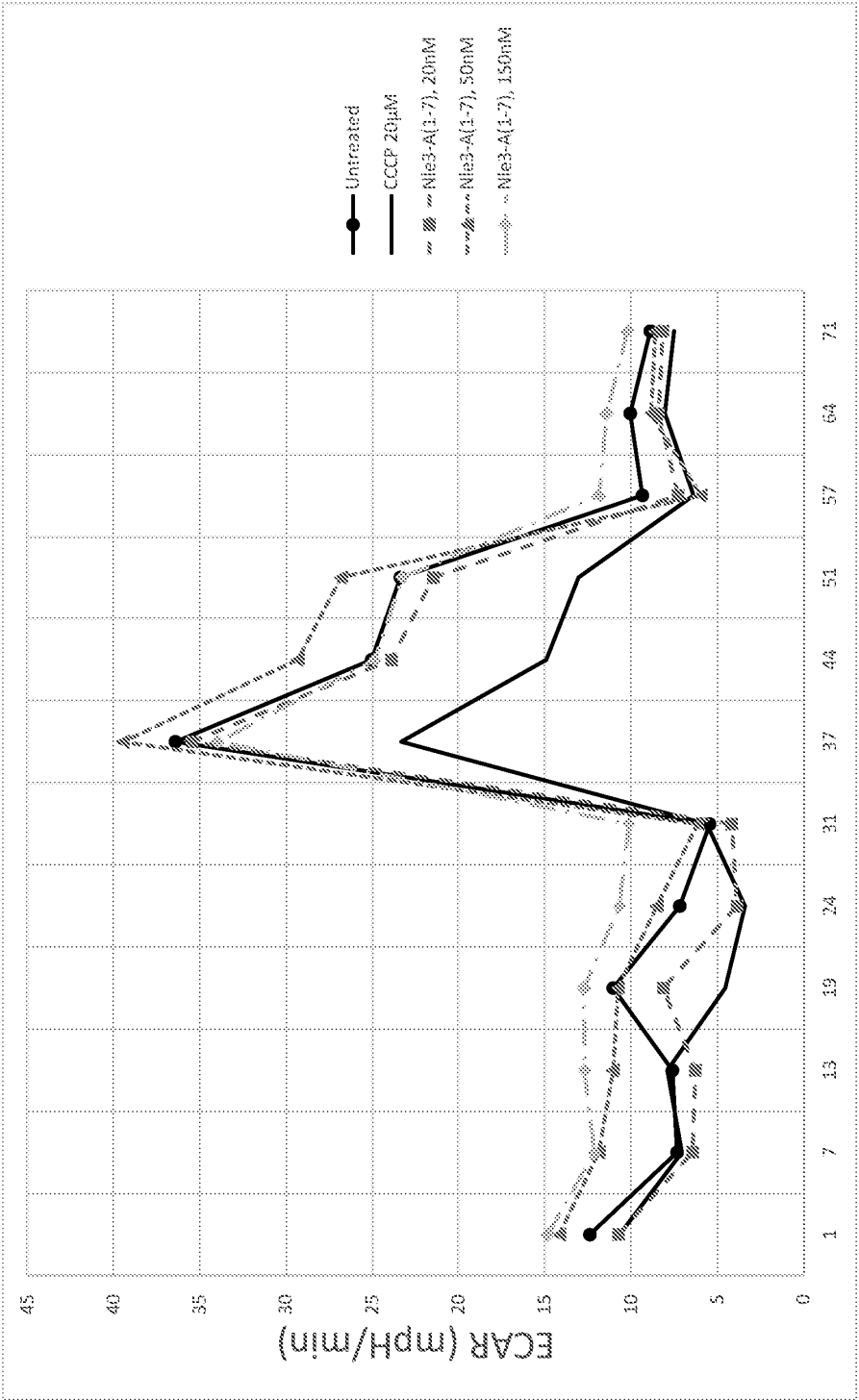


FIG. 8A

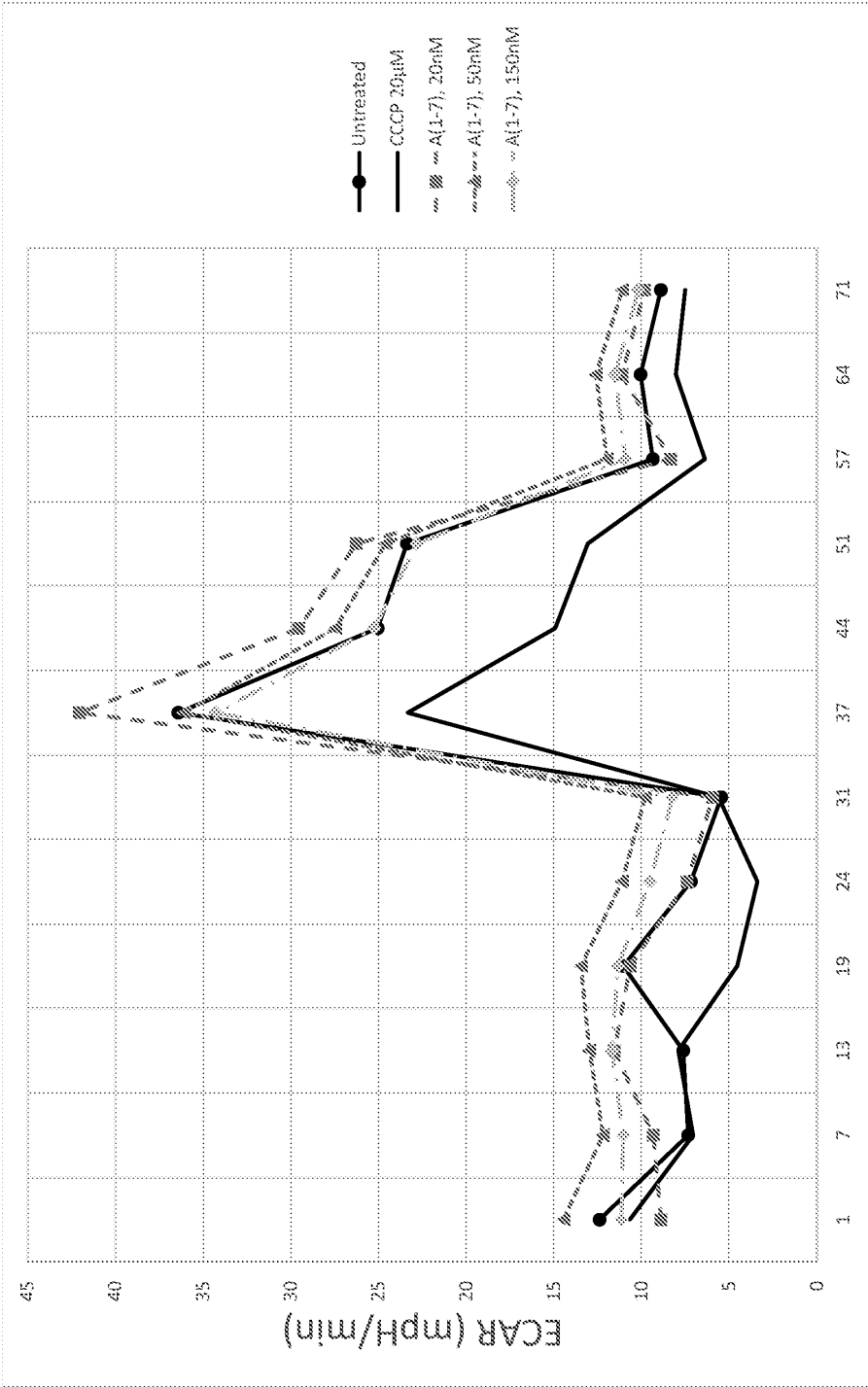


FIG. 8B

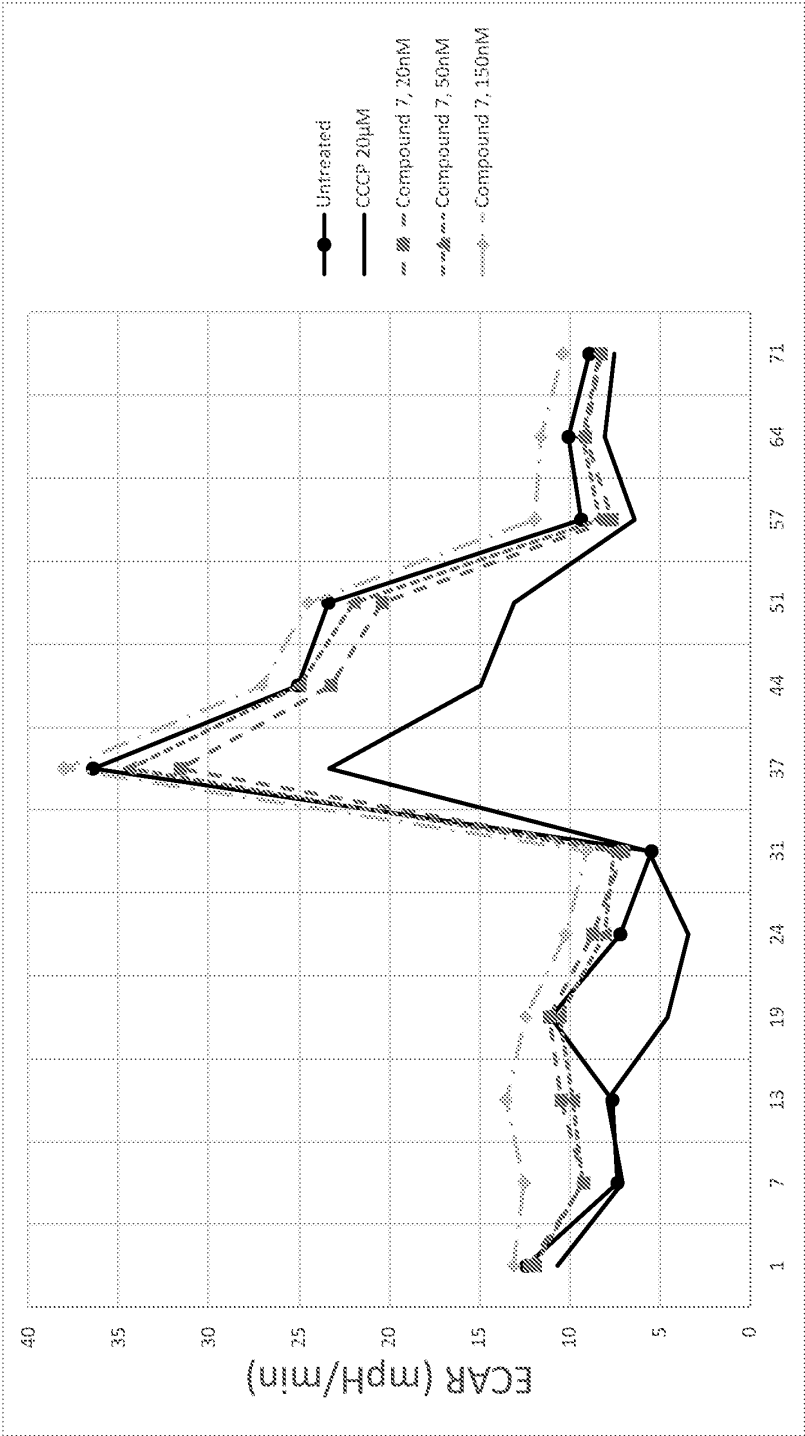


FIG. 8C

Mitochondrial Content

Mitochondrial Mass

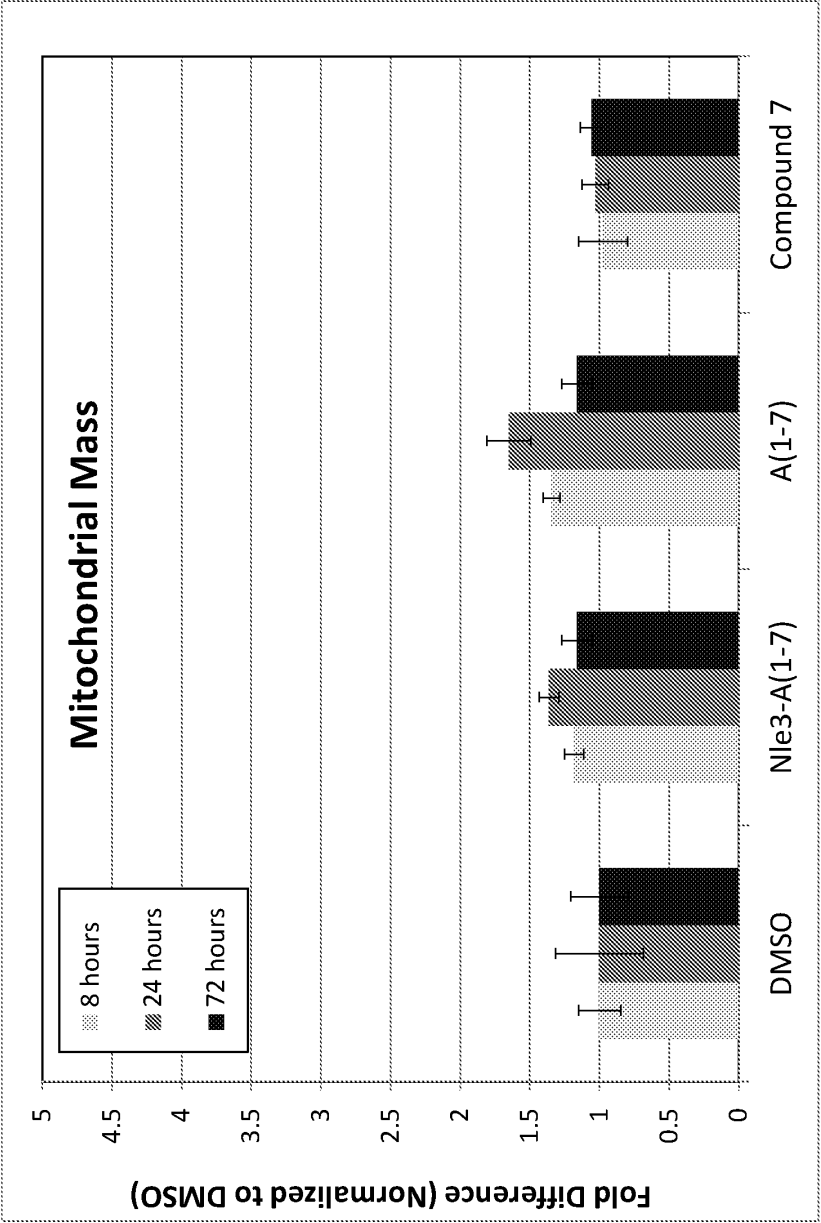
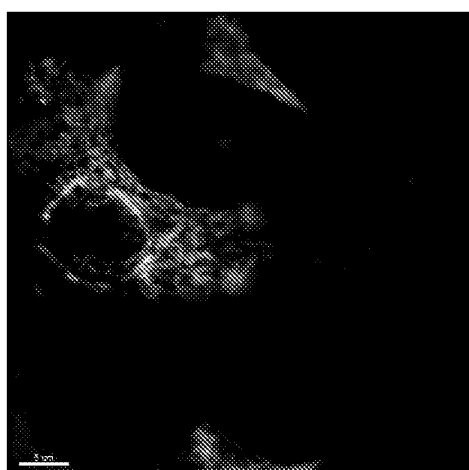
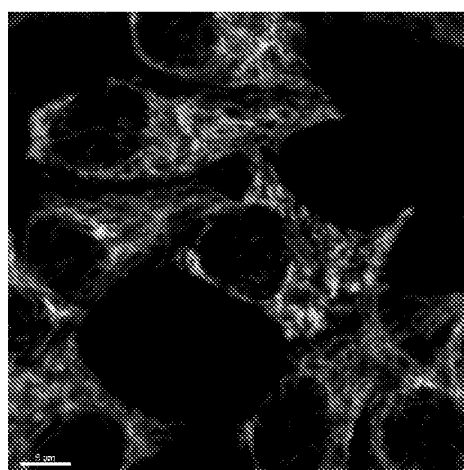


FIG. 9



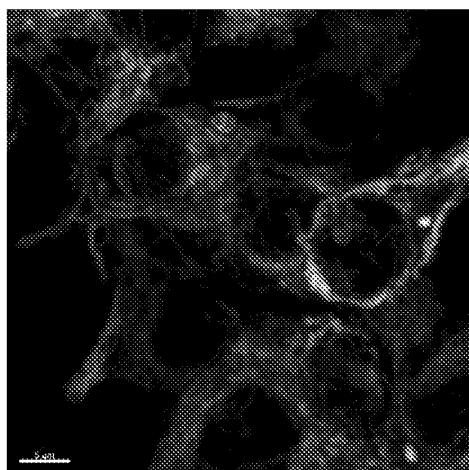
DMSO

FIG. 10A



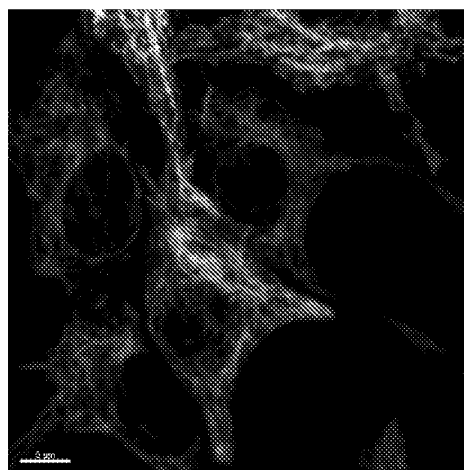
A(1-7) 5nM

FIG. 10B



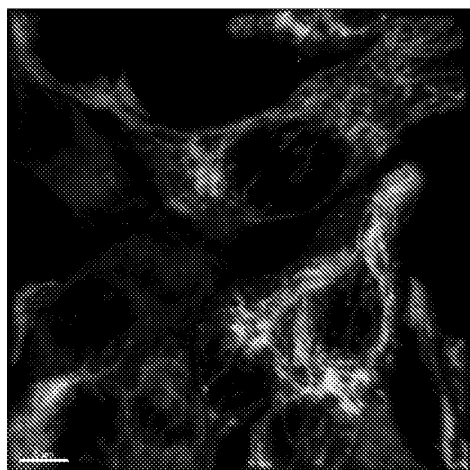
Nle³-A(1-7) 5nM

FIG. 10C



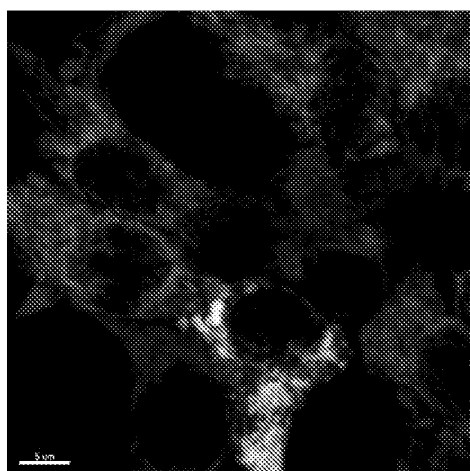
Compound 7 5nM

FIG. 10D



A(1-7) 50nM

FIG. 10E



Nle³-A(1-7) 50nM

FIG. 10F



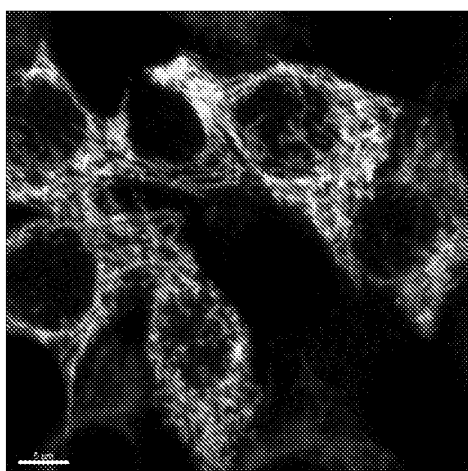
Compound 7 50nM

FIG. 10G



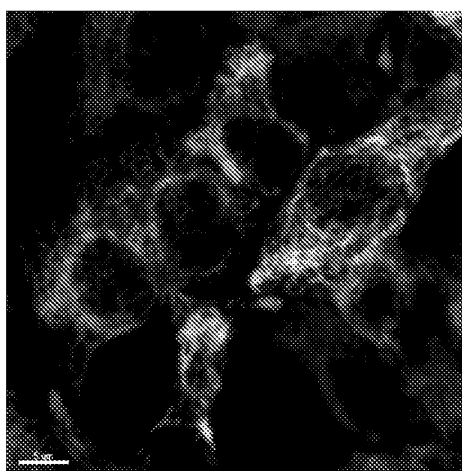
A(1-7) 500nM

FIG. 10H



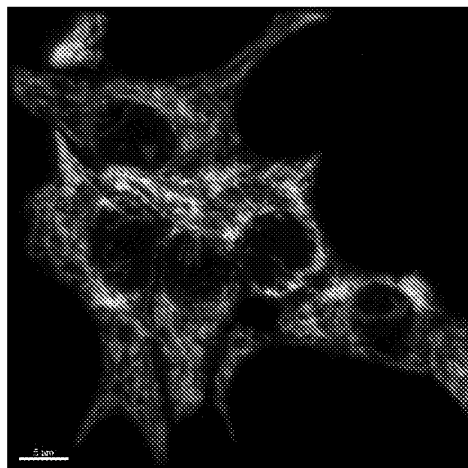
Nle³-A(1-7) 500nM

FIG. 10I



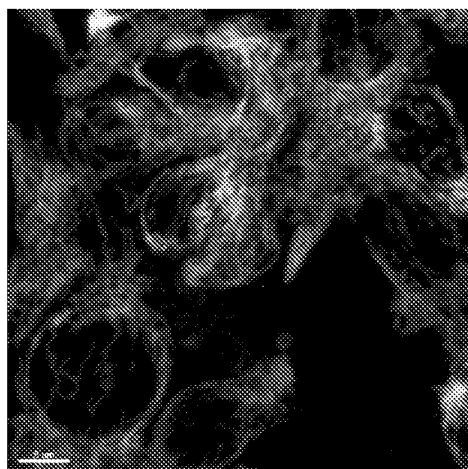
Compound 7 500nM

FIG. 10J



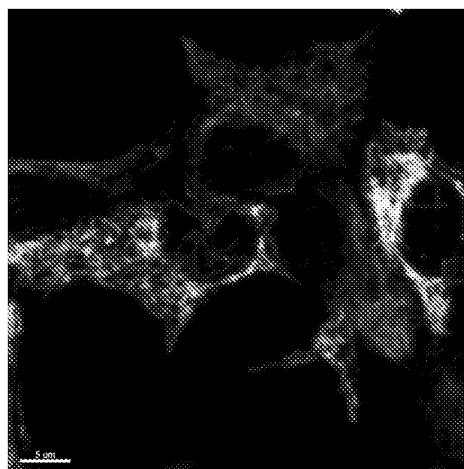
A(1-7) 5 μ M

FIG. 10K



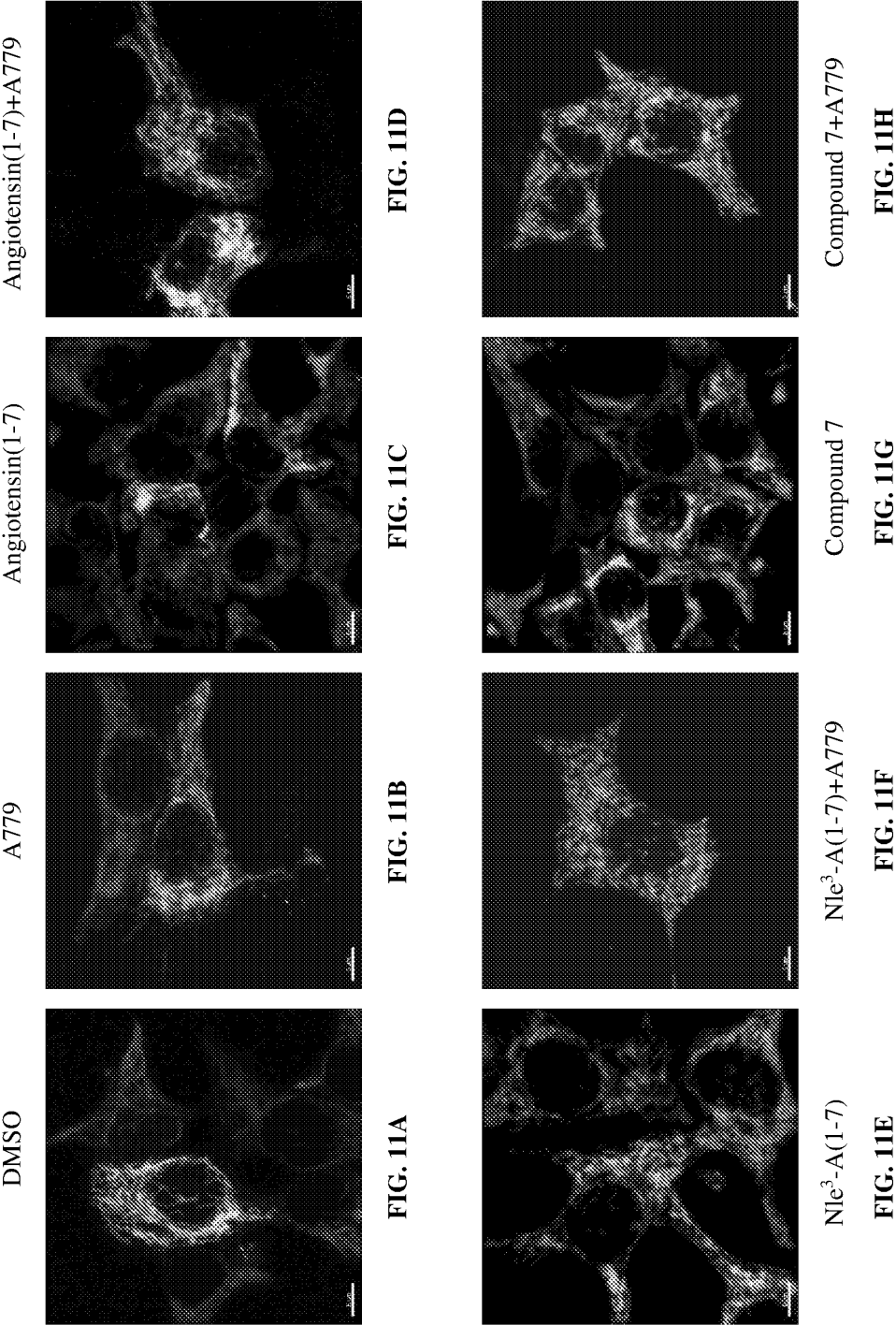
Nle³-A(1-7) 5 μ M

FIG. 10L



Compound 7 5 μ M

FIG. 10M



Morphology				
Compounds	Concentration	8h	24h	72h
A(1-7)	50 nM	Elongated mitochondria	Elongated mitochondria	Elongated mitochondria
Nle ³ -A(1-7)	50 nM	Elongated mitochondria	Elongated mitochondria	Elongated mitochondria
Compound 7	50 nM	Elongated mitochondria	Elongated mitochondria	Elongated mitochondria

FIG. 12

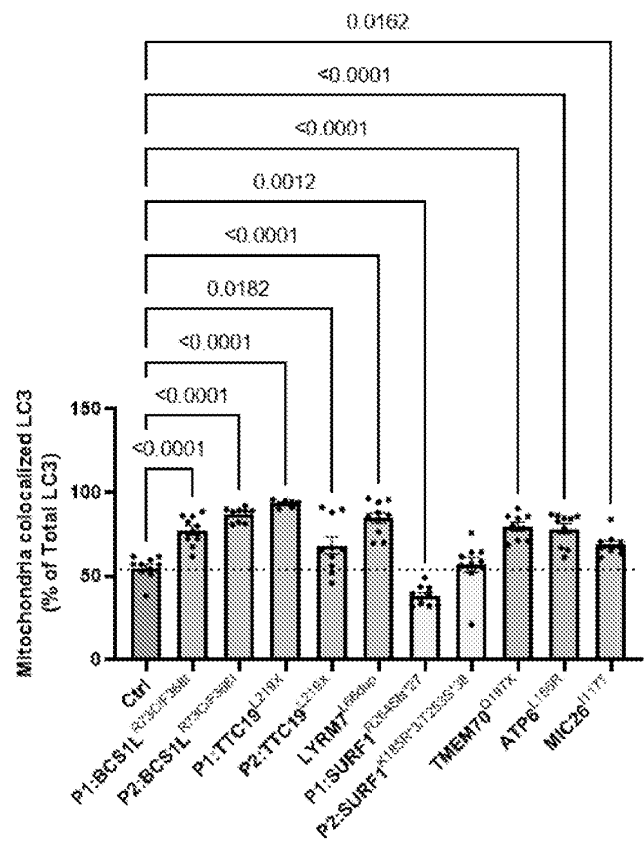


FIG. 13

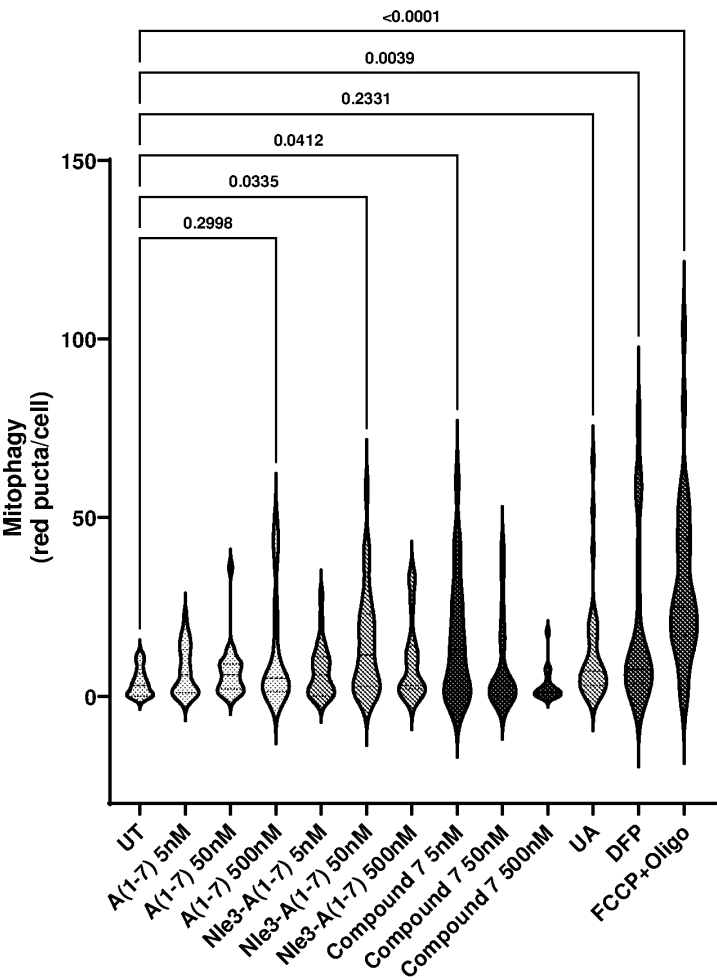


FIG. 14