

1/24

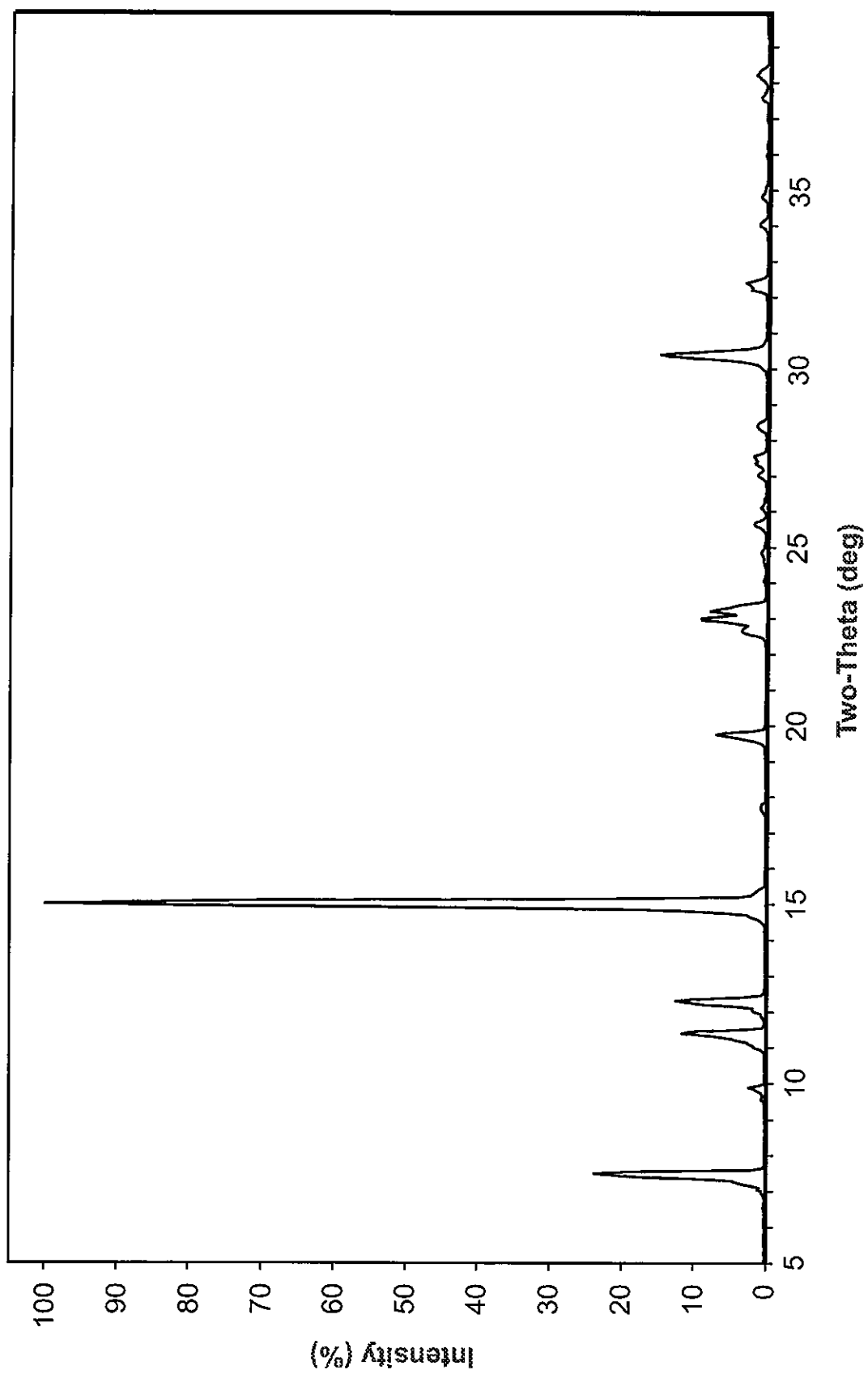


FIG. 1

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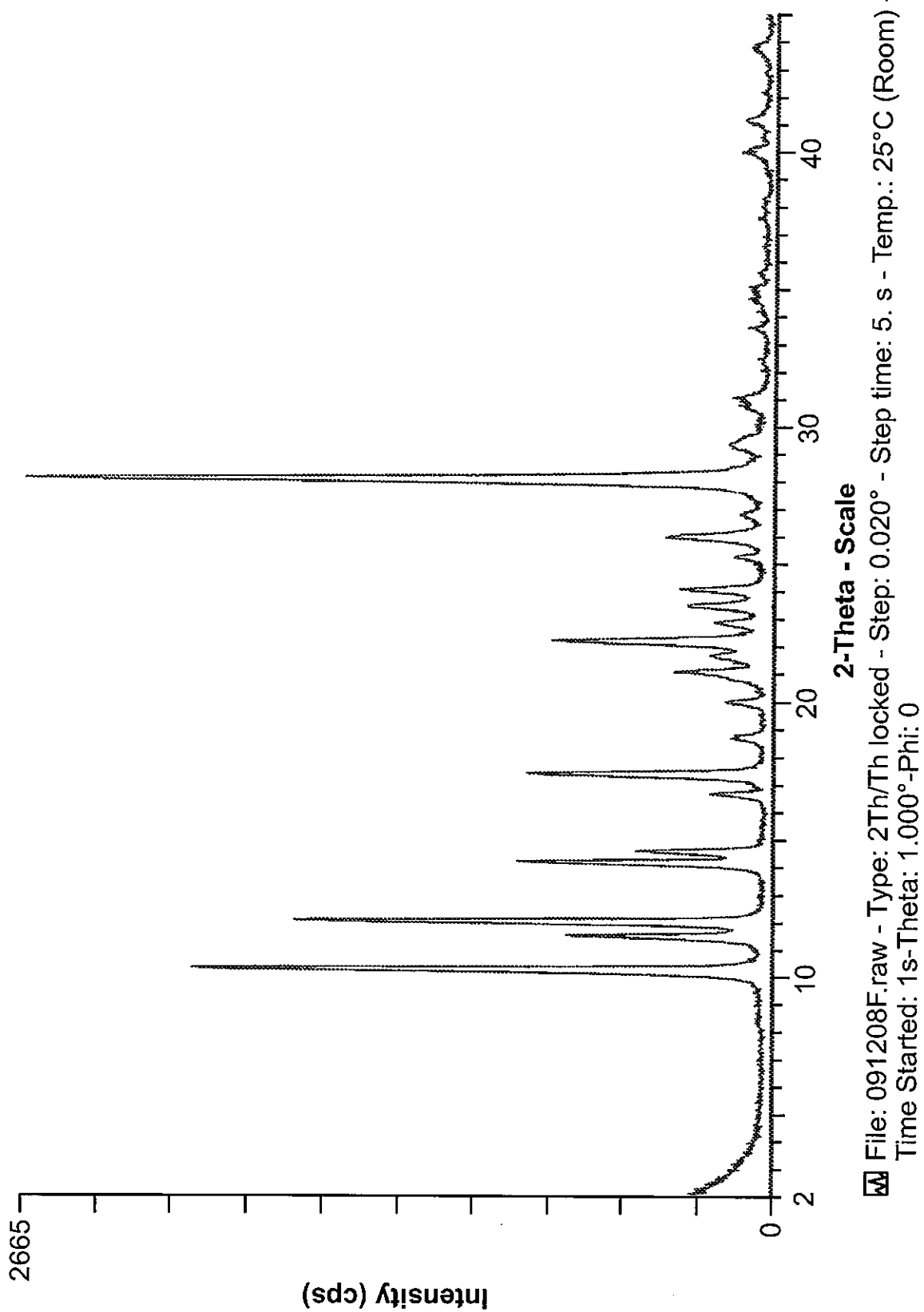


FIG. 2

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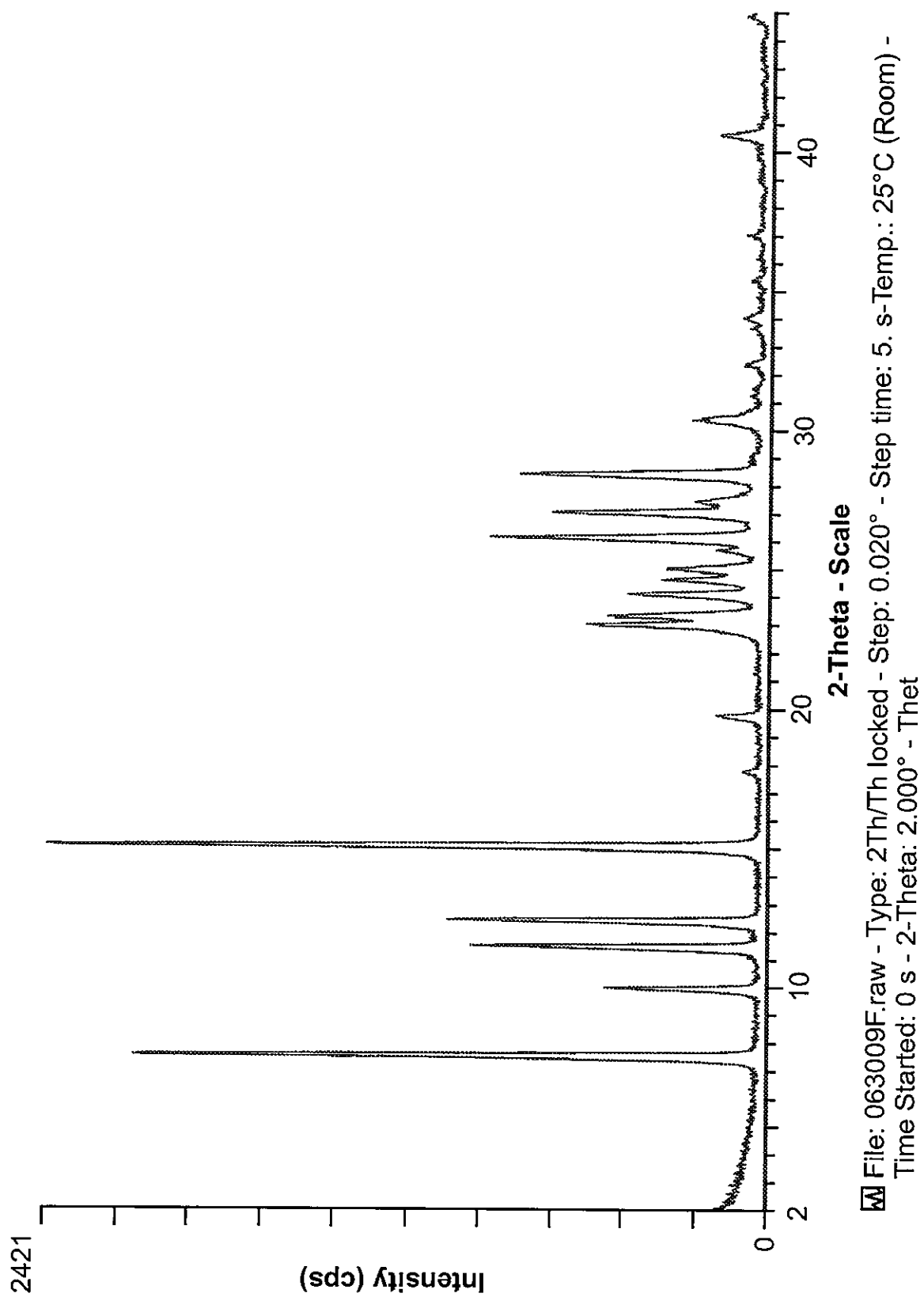


FIG. 3

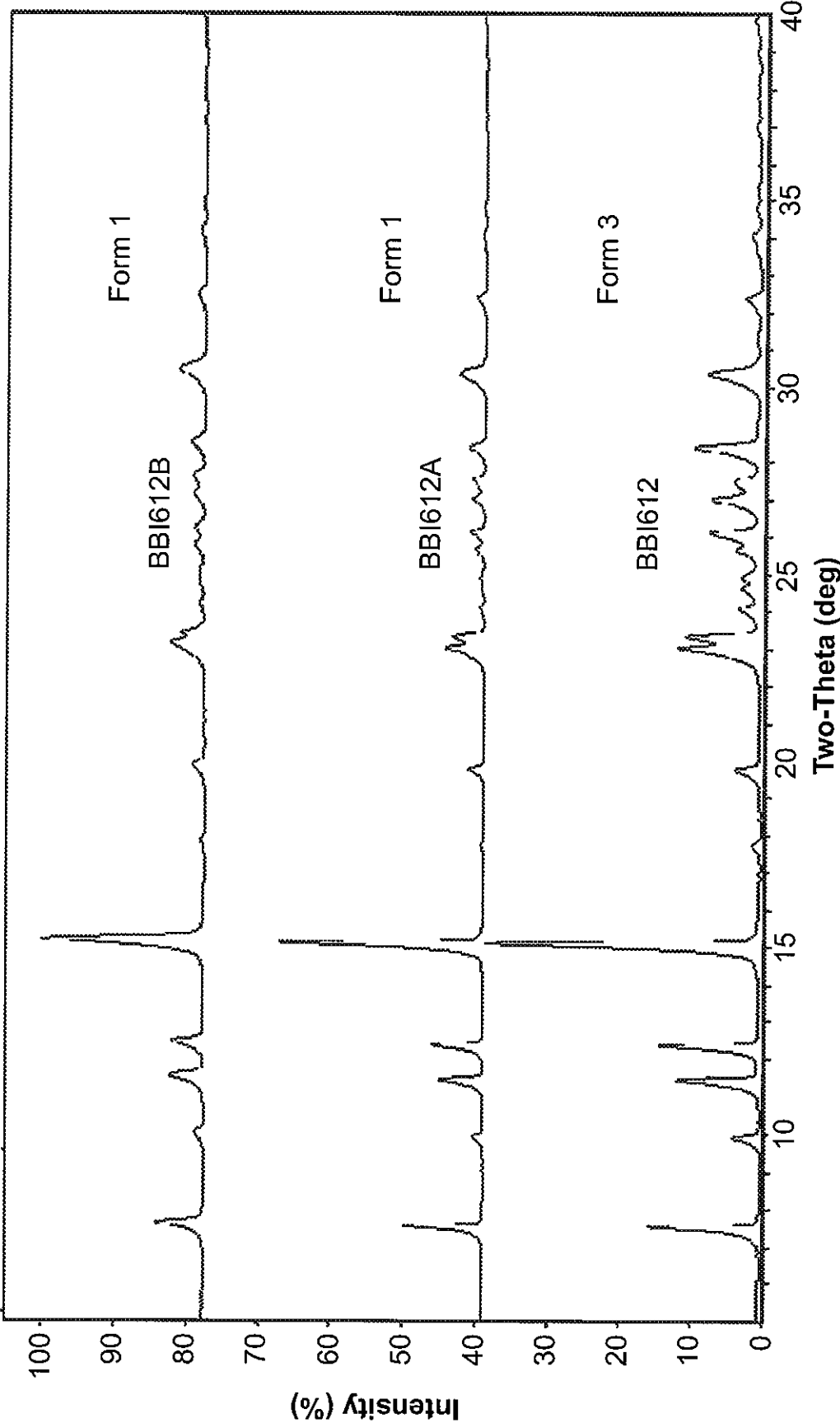


FIG. 4

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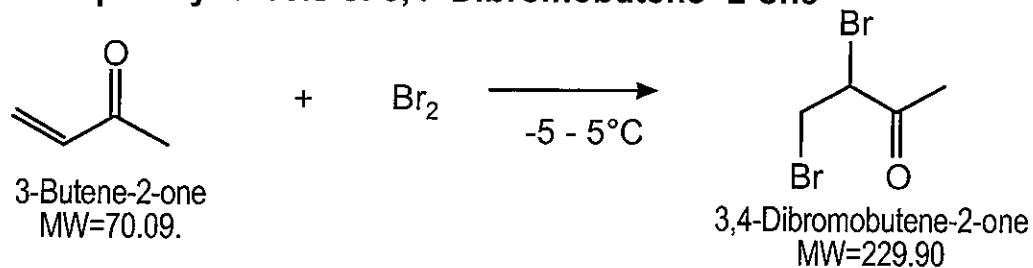
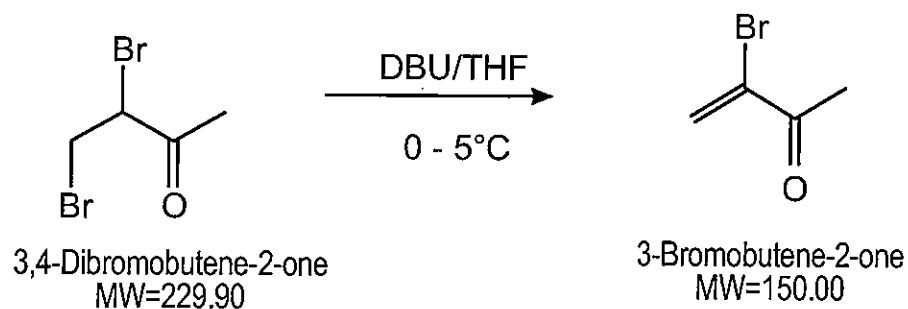
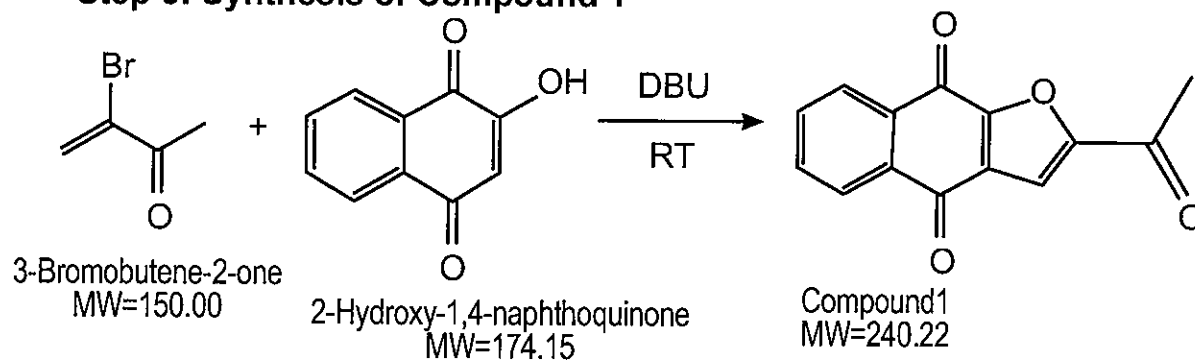
Process Flow Diagram**Step 1: Synthesis of 3,4 -Dibromobutene -2-one****Step 2: De-bromination of 3 -Bromobutene -2-one****Step 3: Synthesis of Compound 1**

FIG. 5A

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Process Flow Diagram

Compound 1 Process Flow Diagram: Synthesis/Crude Isolation

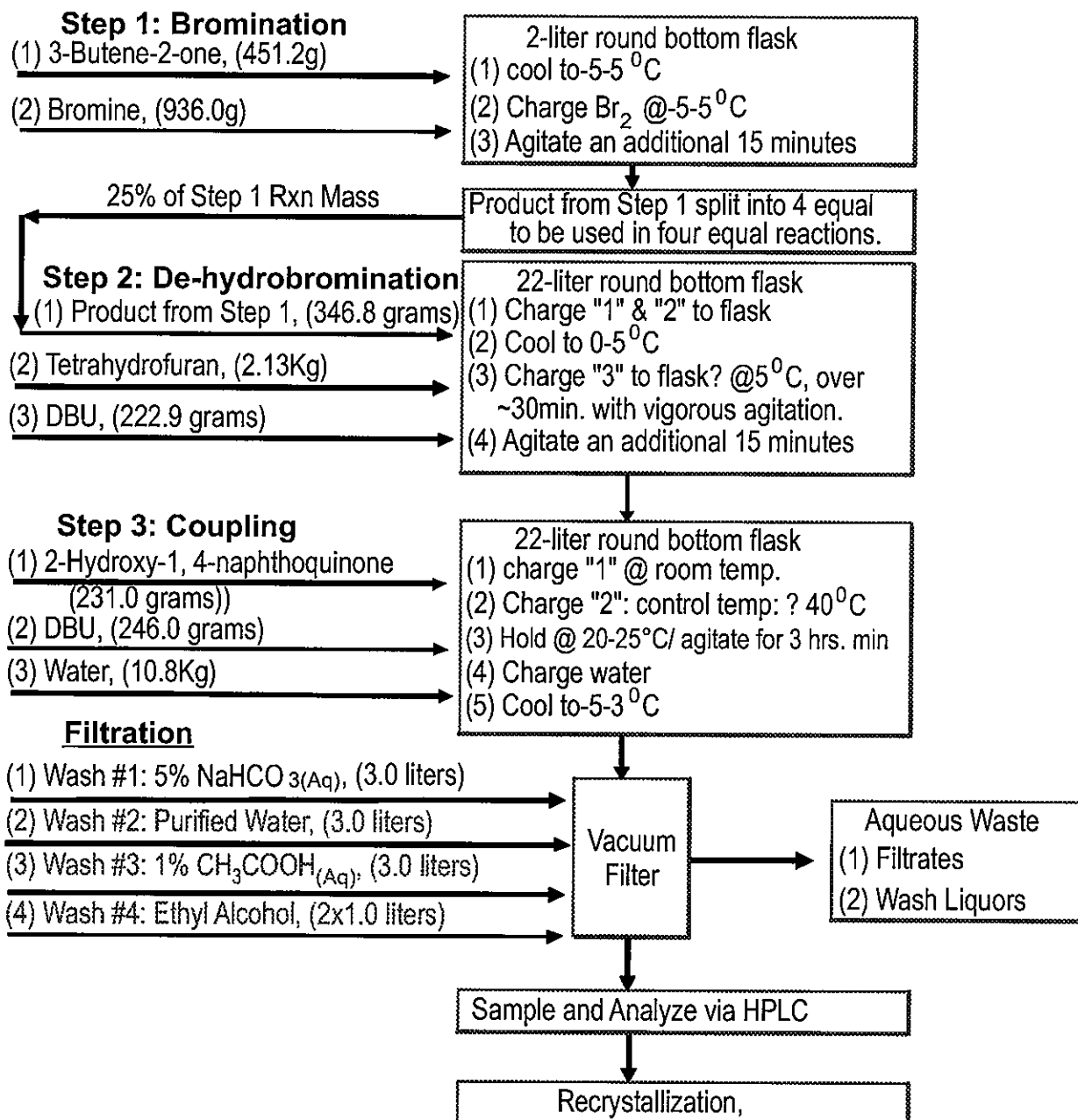
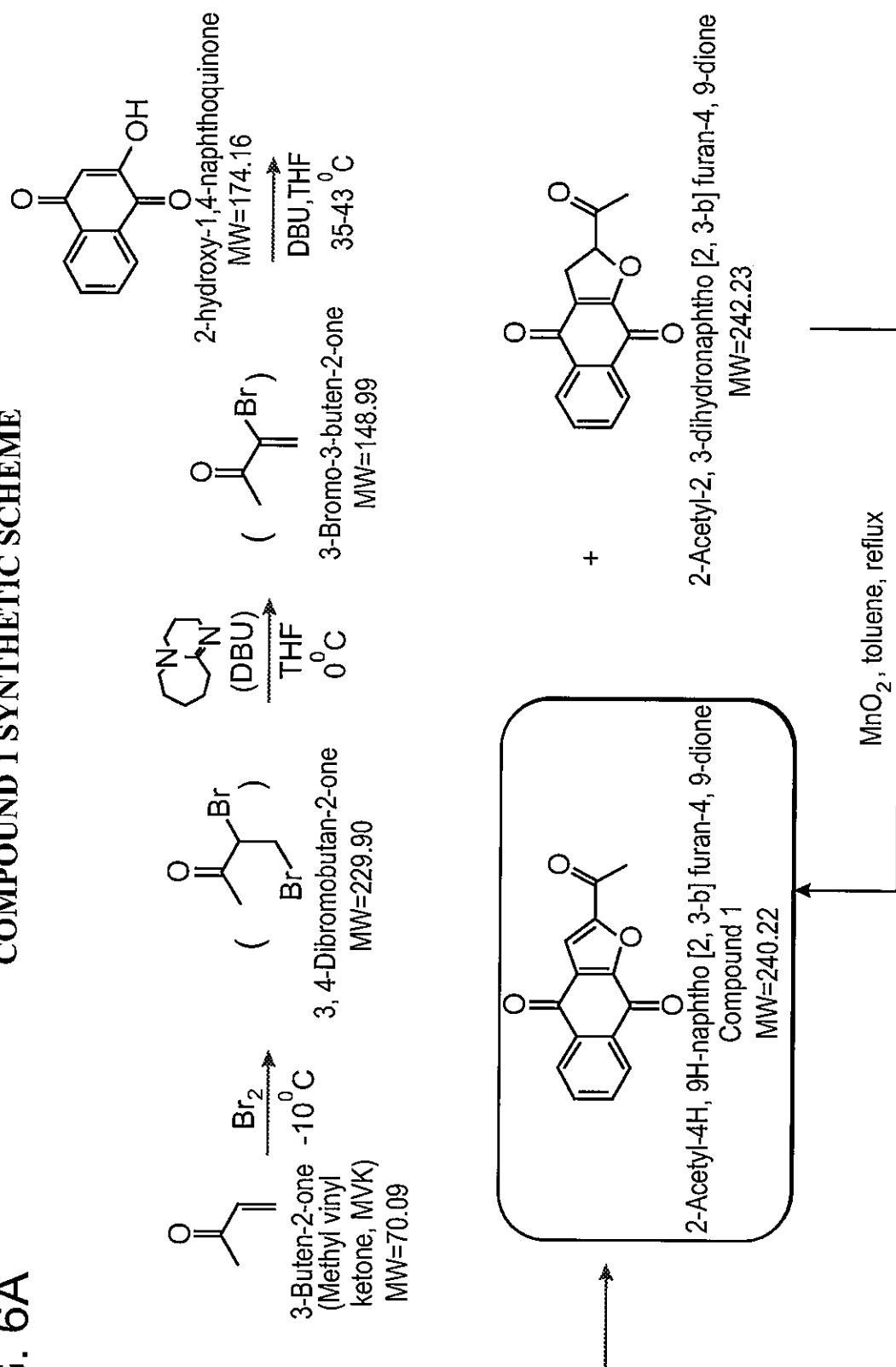


FIG. 5B

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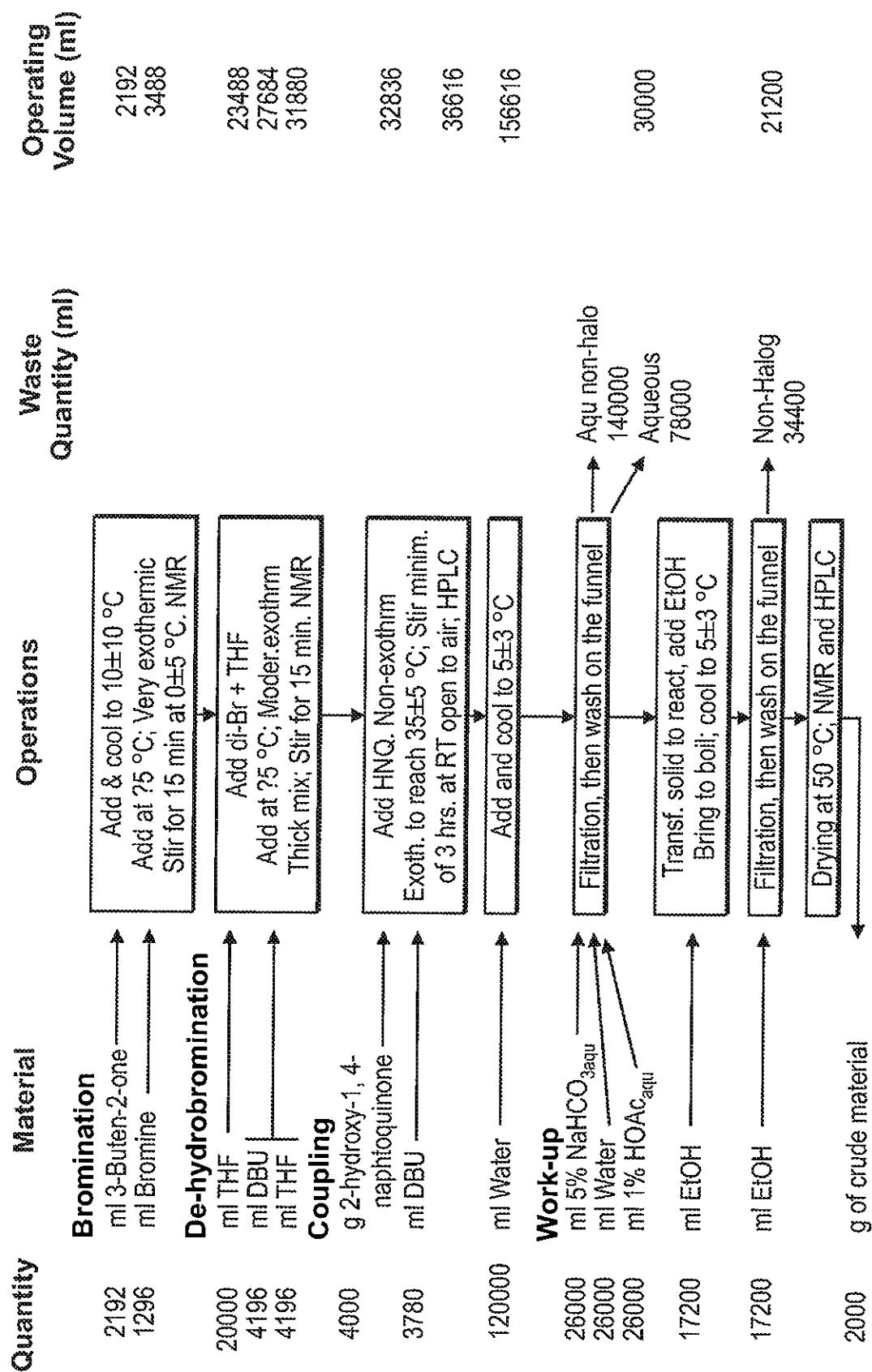
FIG. 6A

COMPOUND 1 SYNTHETIC SCHEME



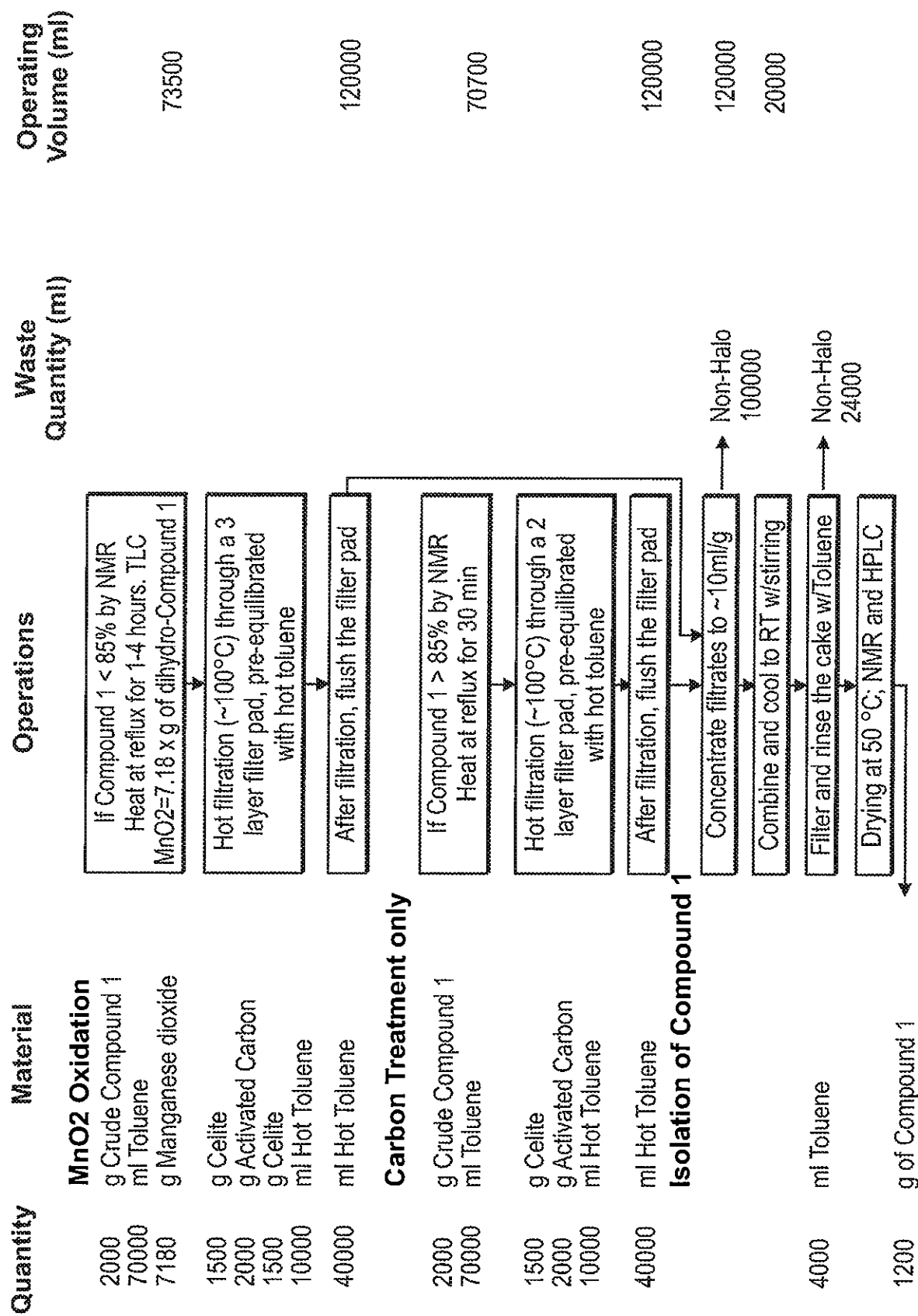
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FIG. 6B Process Flow Diagram: Step 1: Synthesis of crude Compound 1



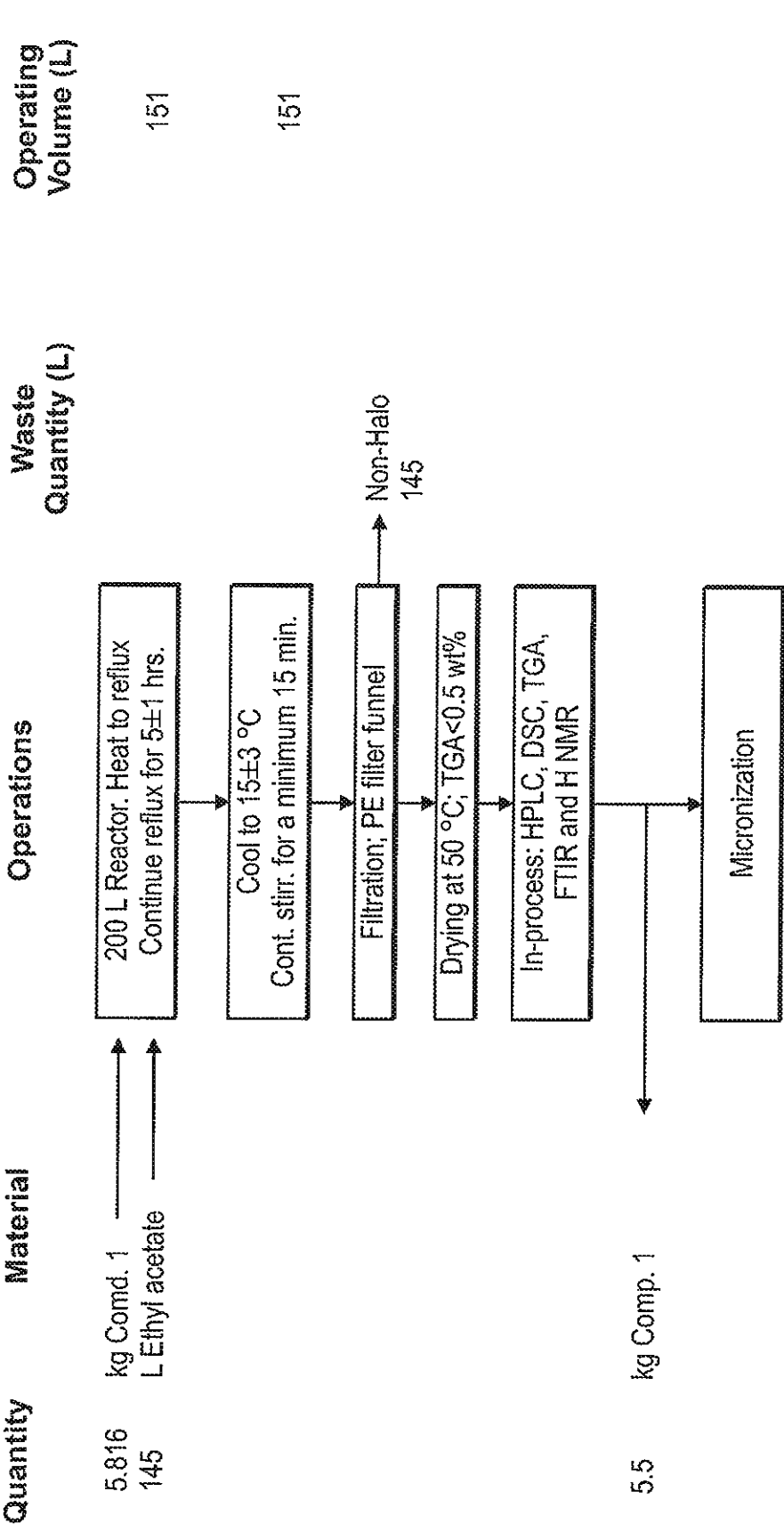
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FIG. 6C Process Flow Diagram: Step 2: Oxidation/Act Carbon treatment



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FIG. 6D Process Flow Diagram: Step 3: Ethyl Acetate Treatment of Compound 1



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Crystal Form 1



FIG. 7A

Crystal Form 3



FIG. 7B

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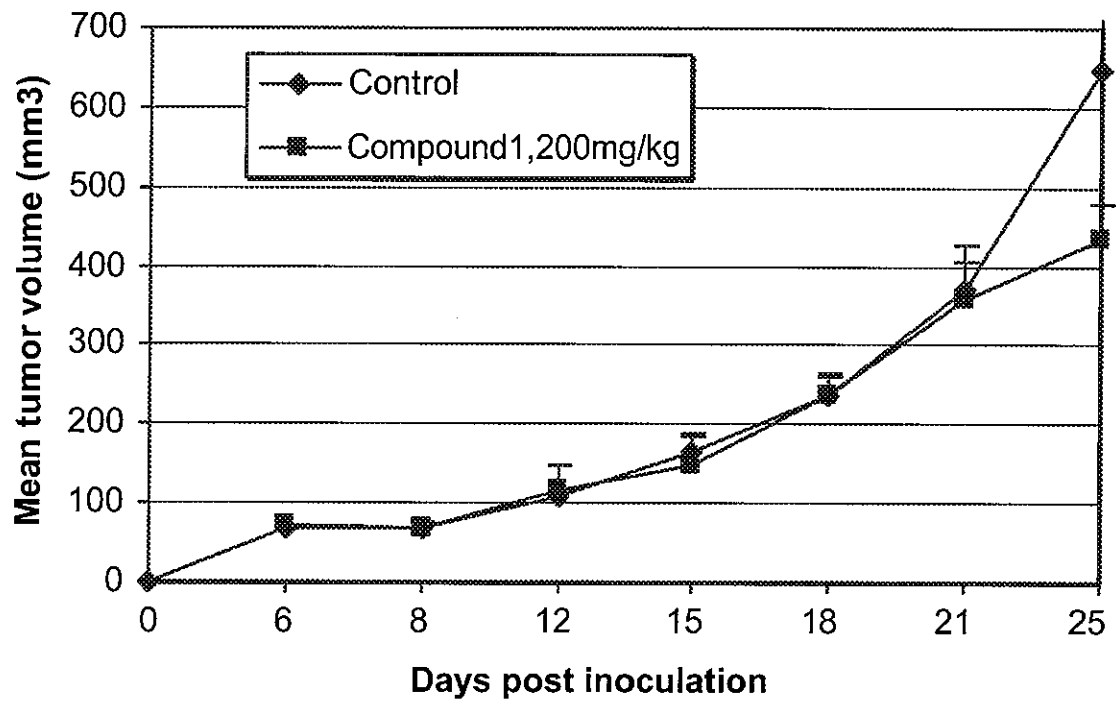


FIG. 8

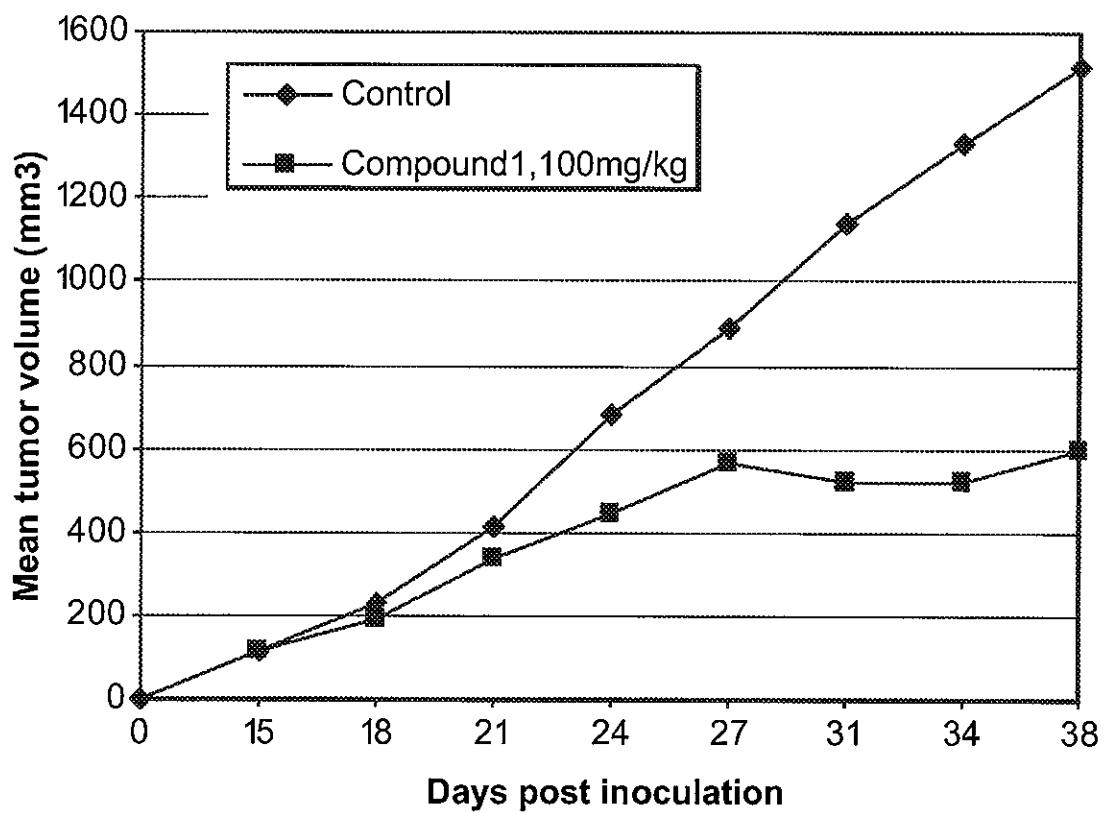


FIG. 9

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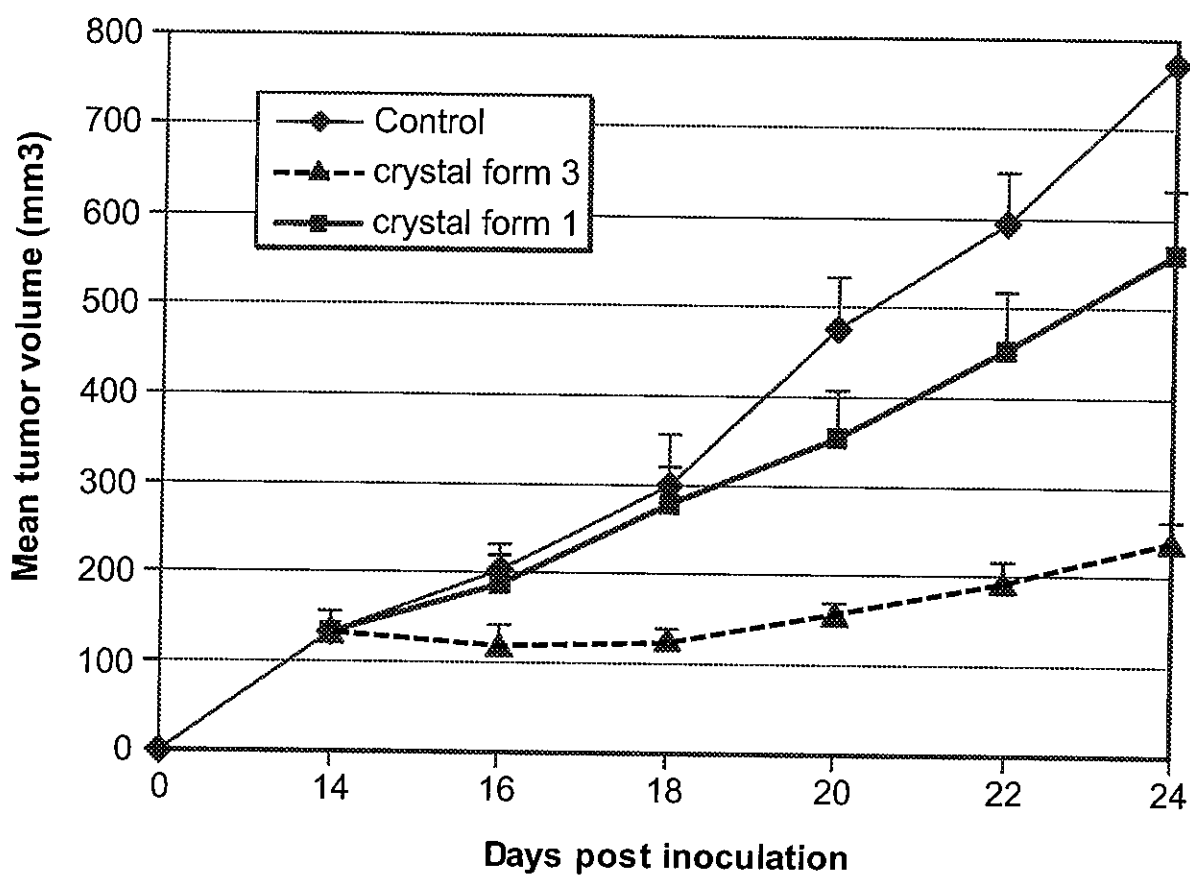


FIG. 10

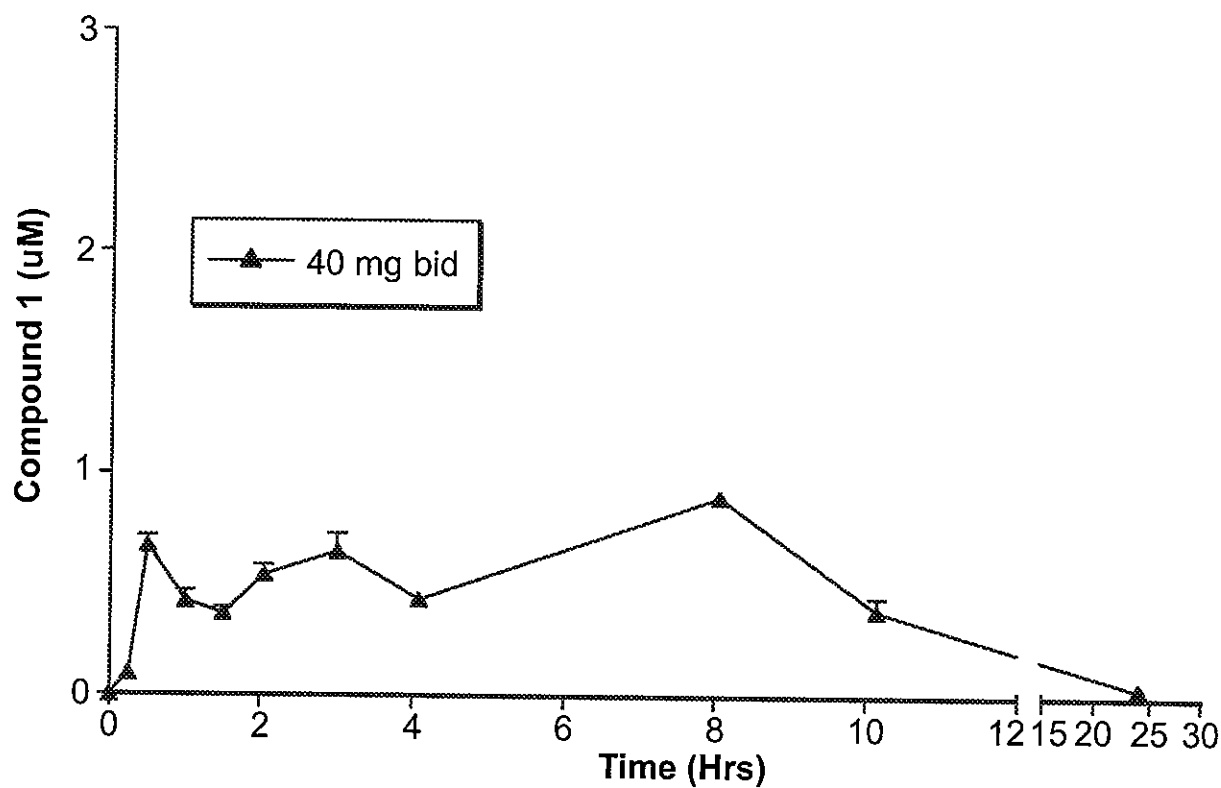


FIG. 11

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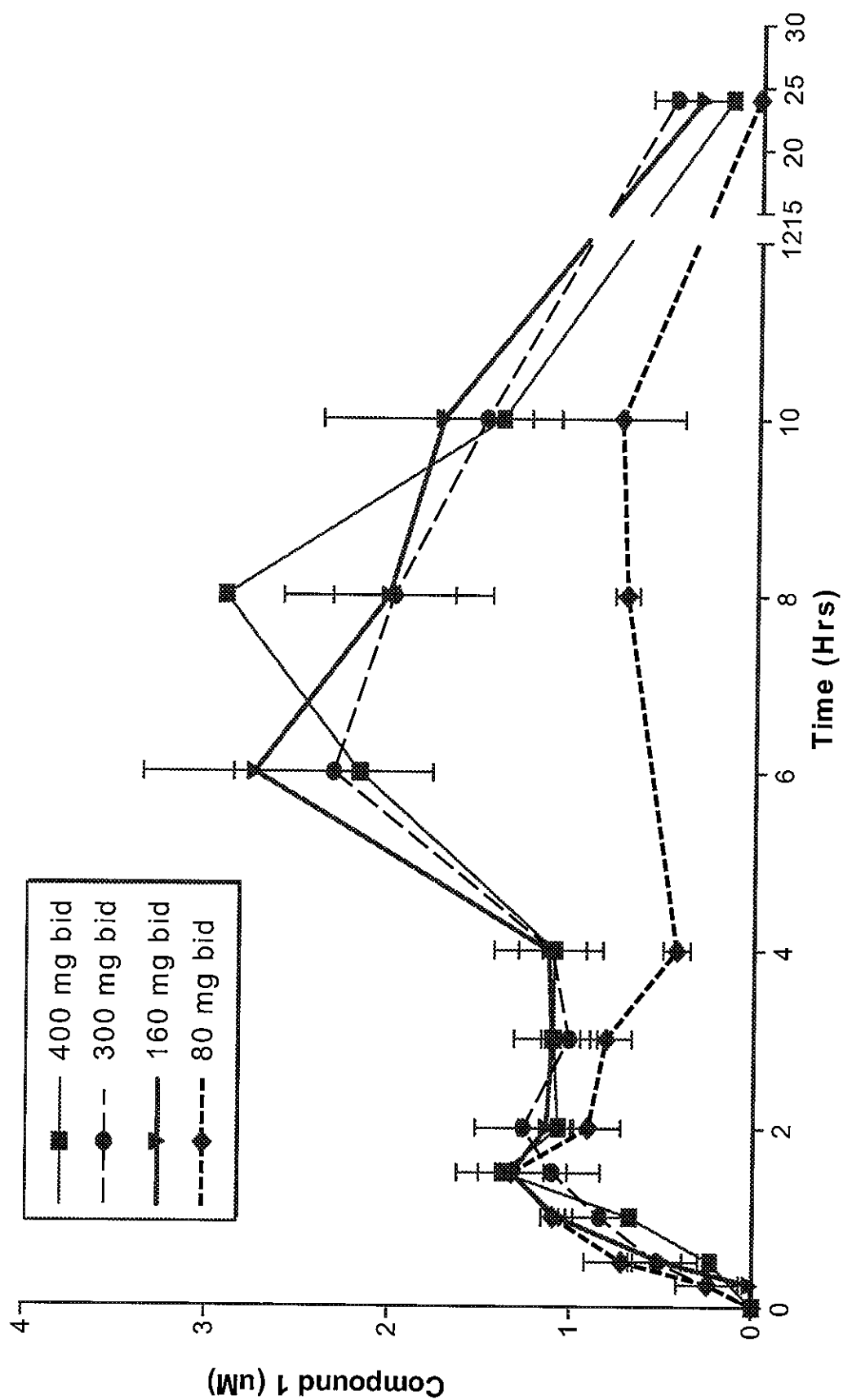
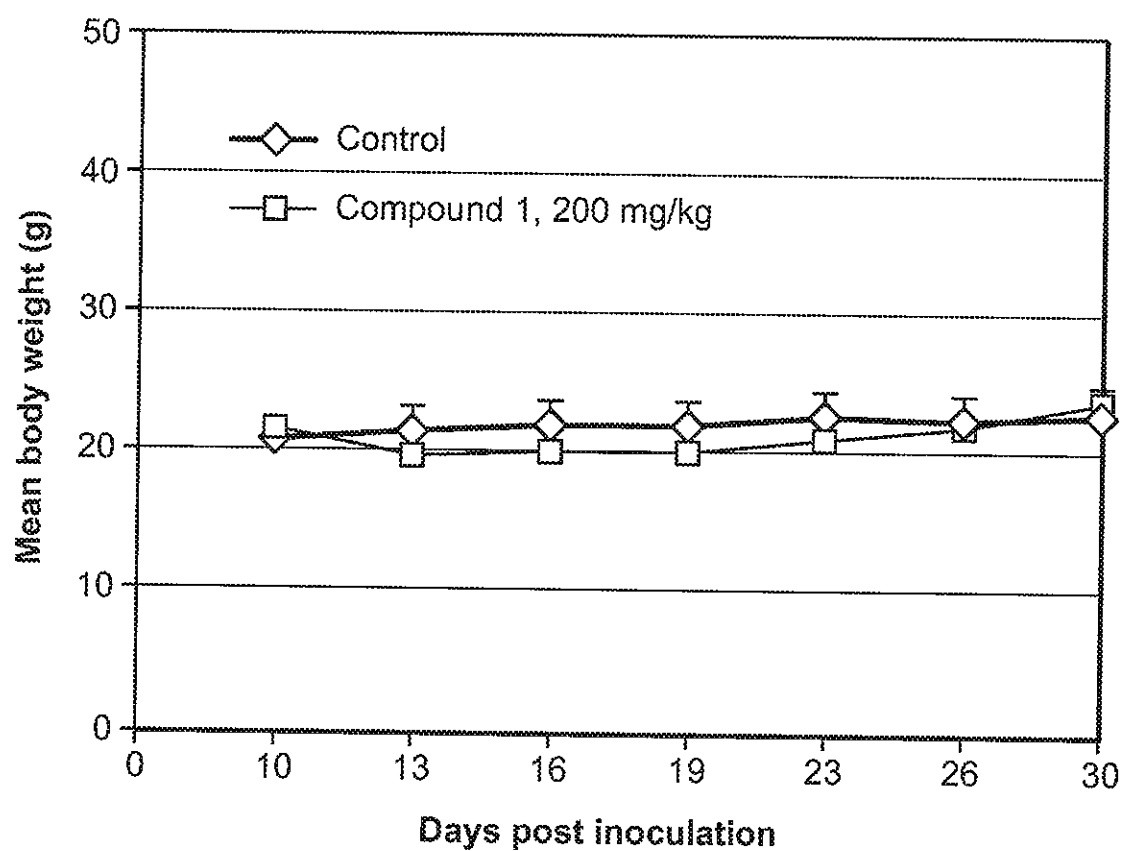
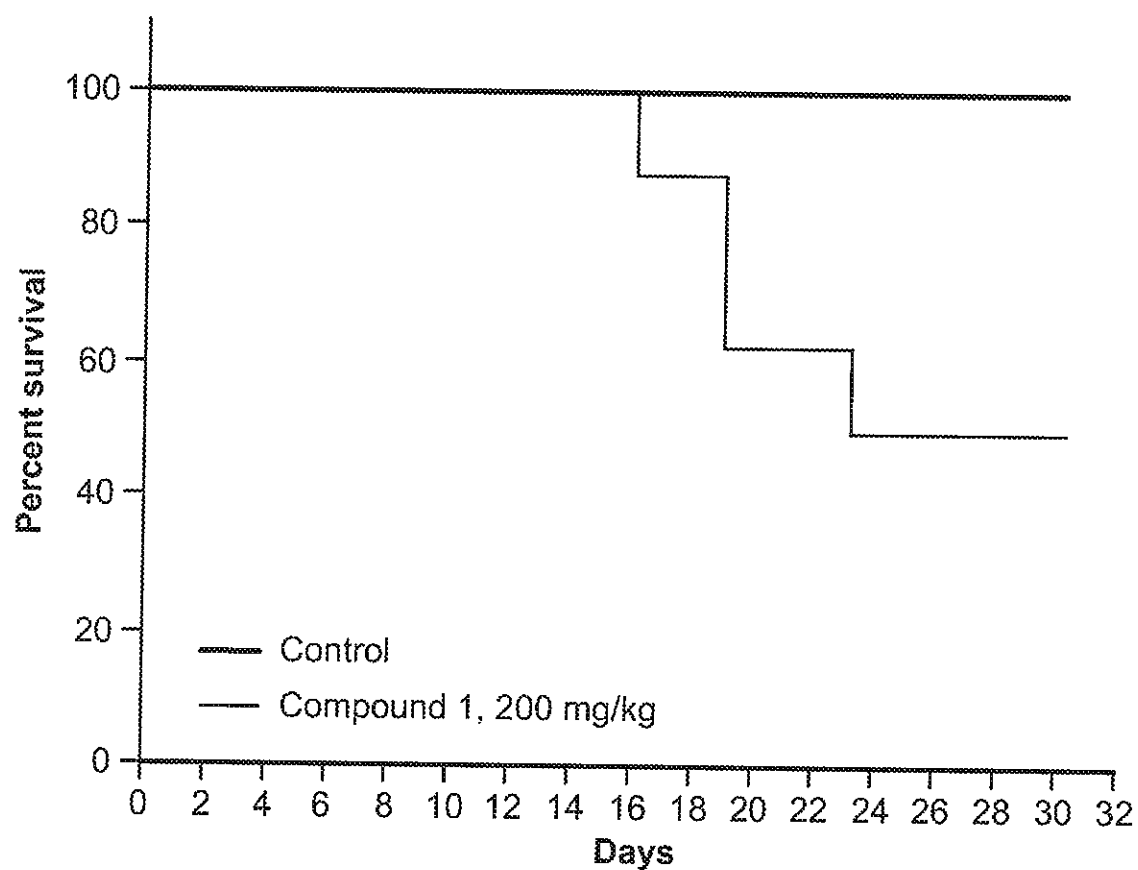


FIG. 12

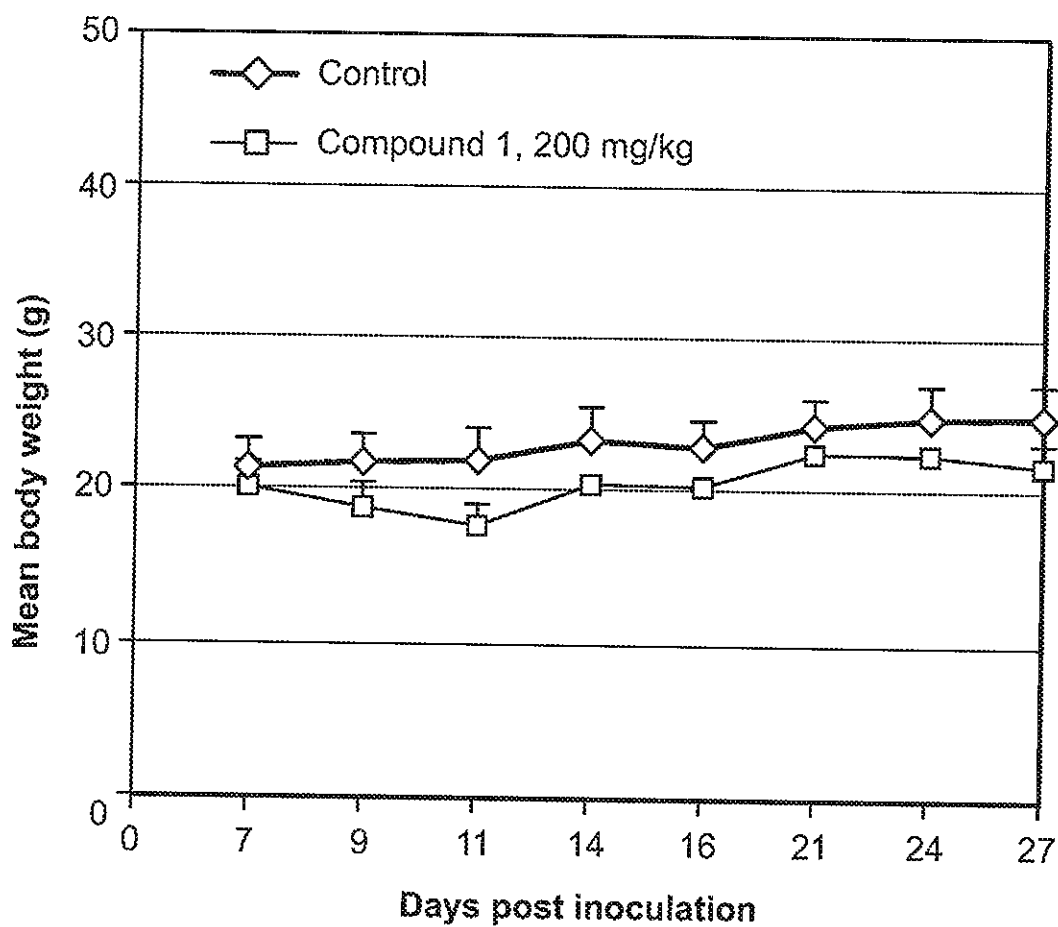
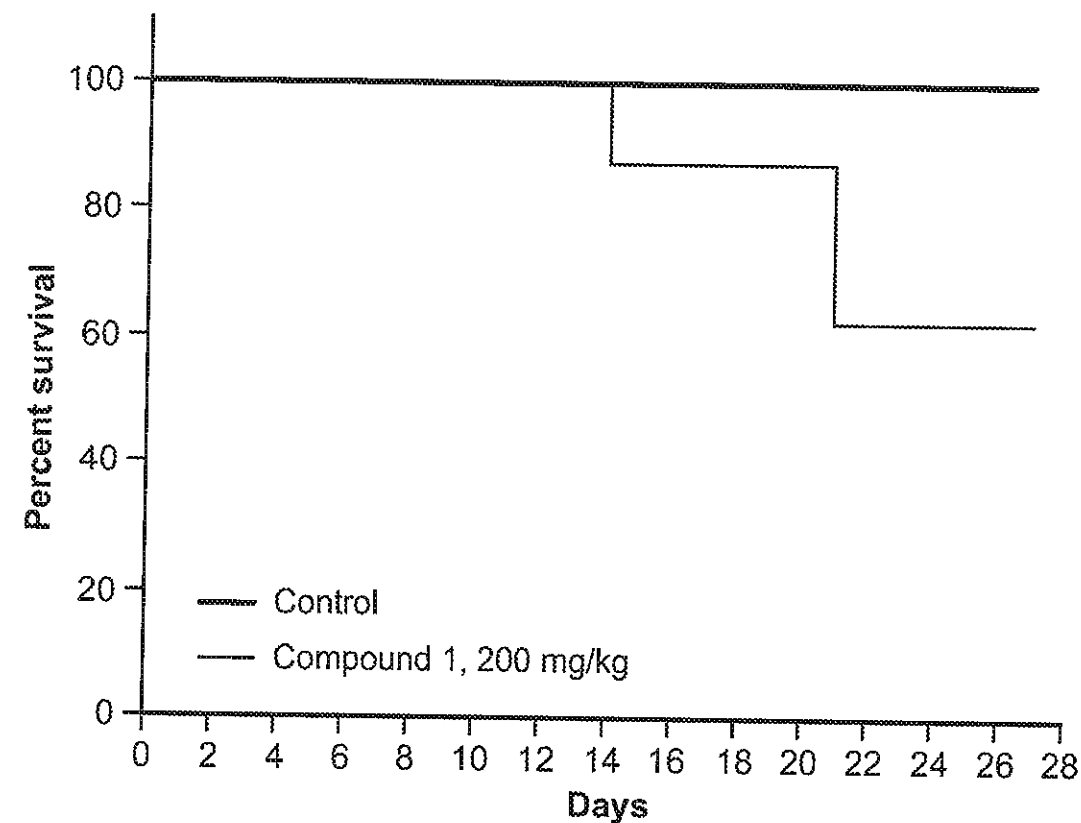
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FIG. 13



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FIG. 13 CONT.



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FIG. 14

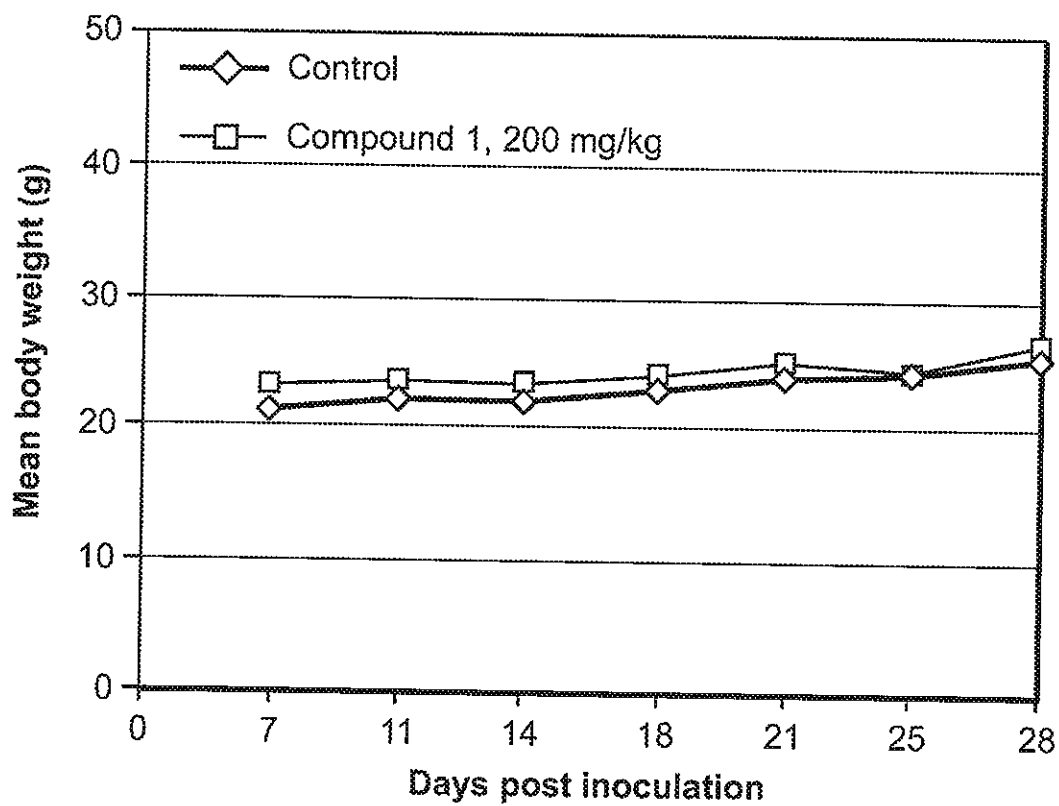
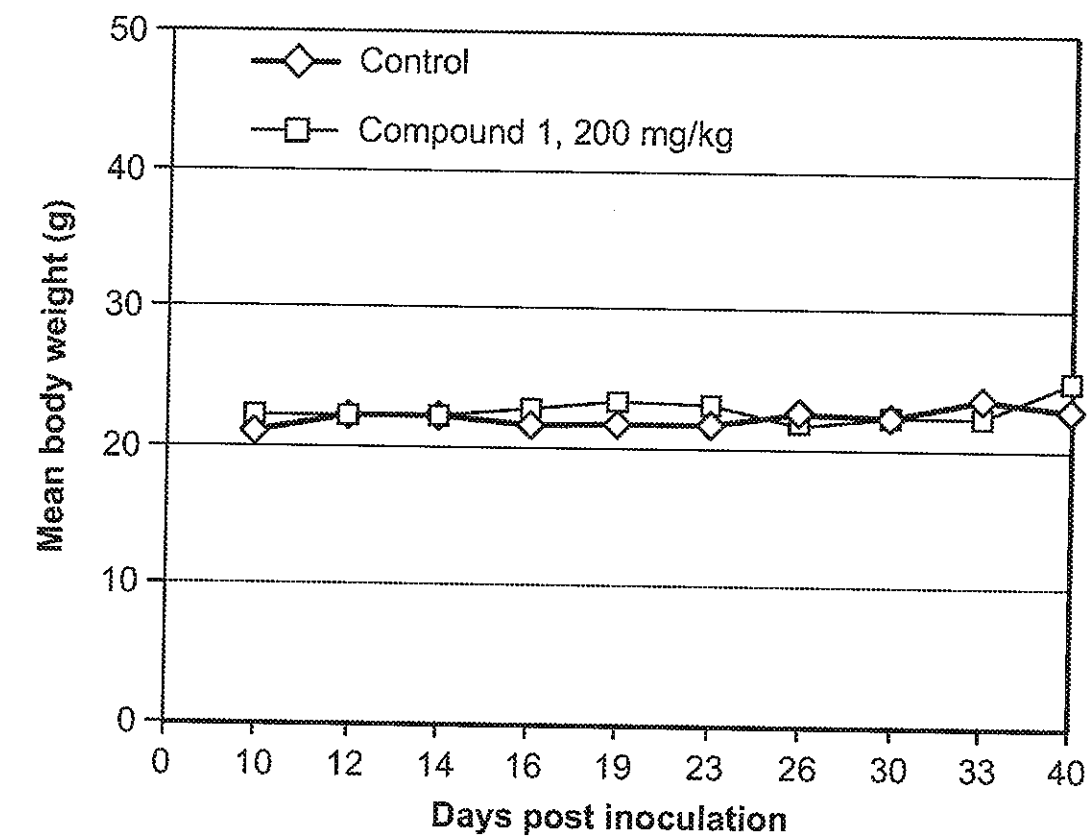
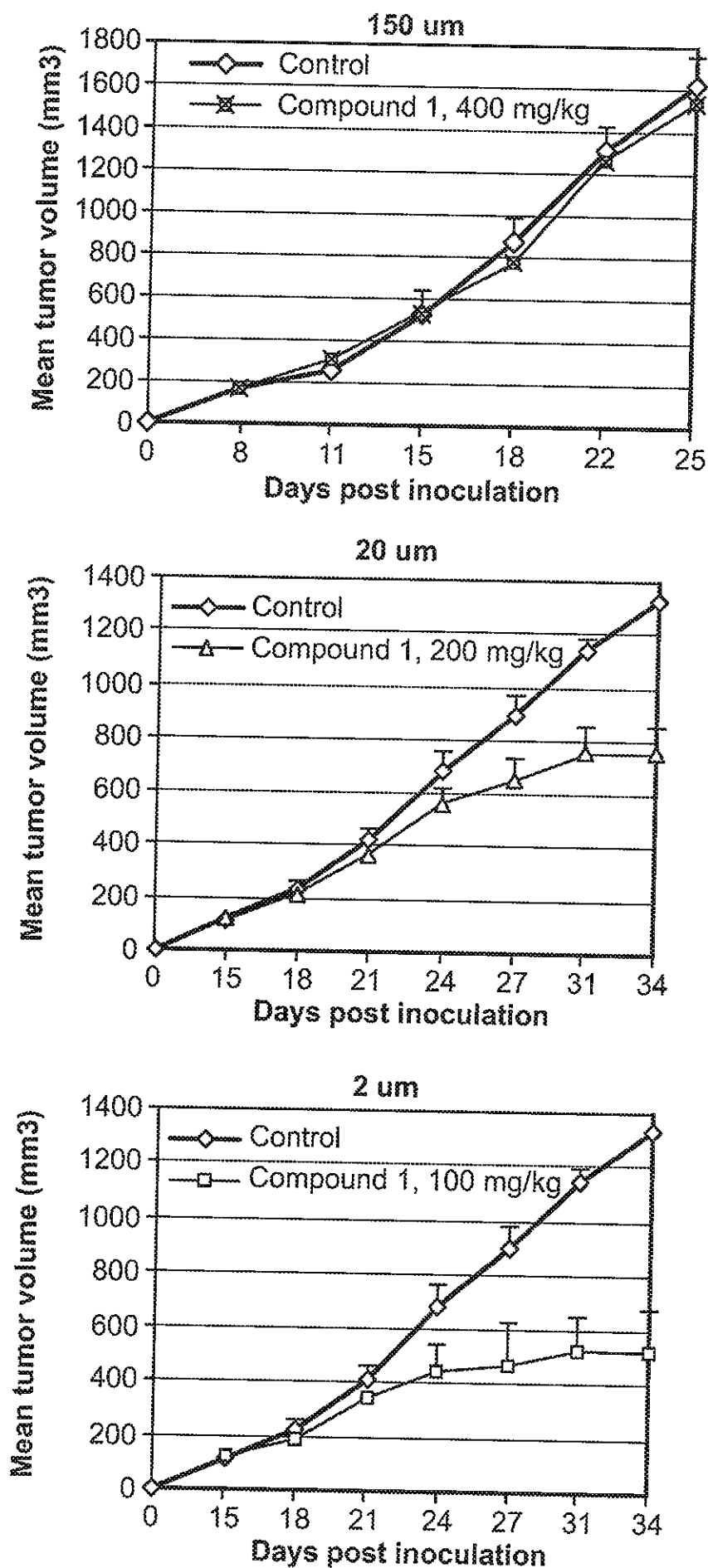


FIG. 15

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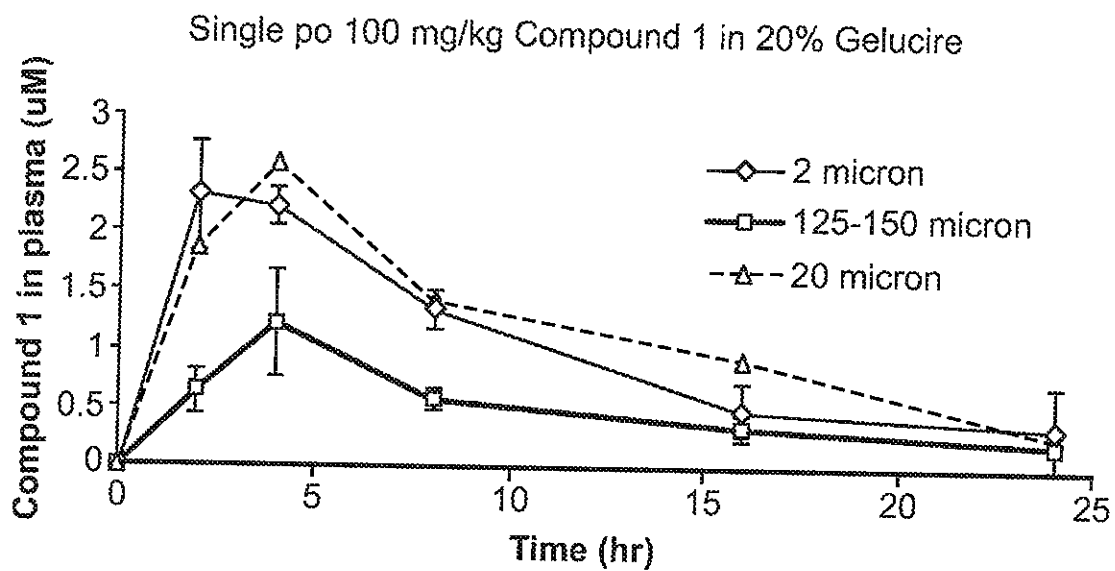


FIG. 16

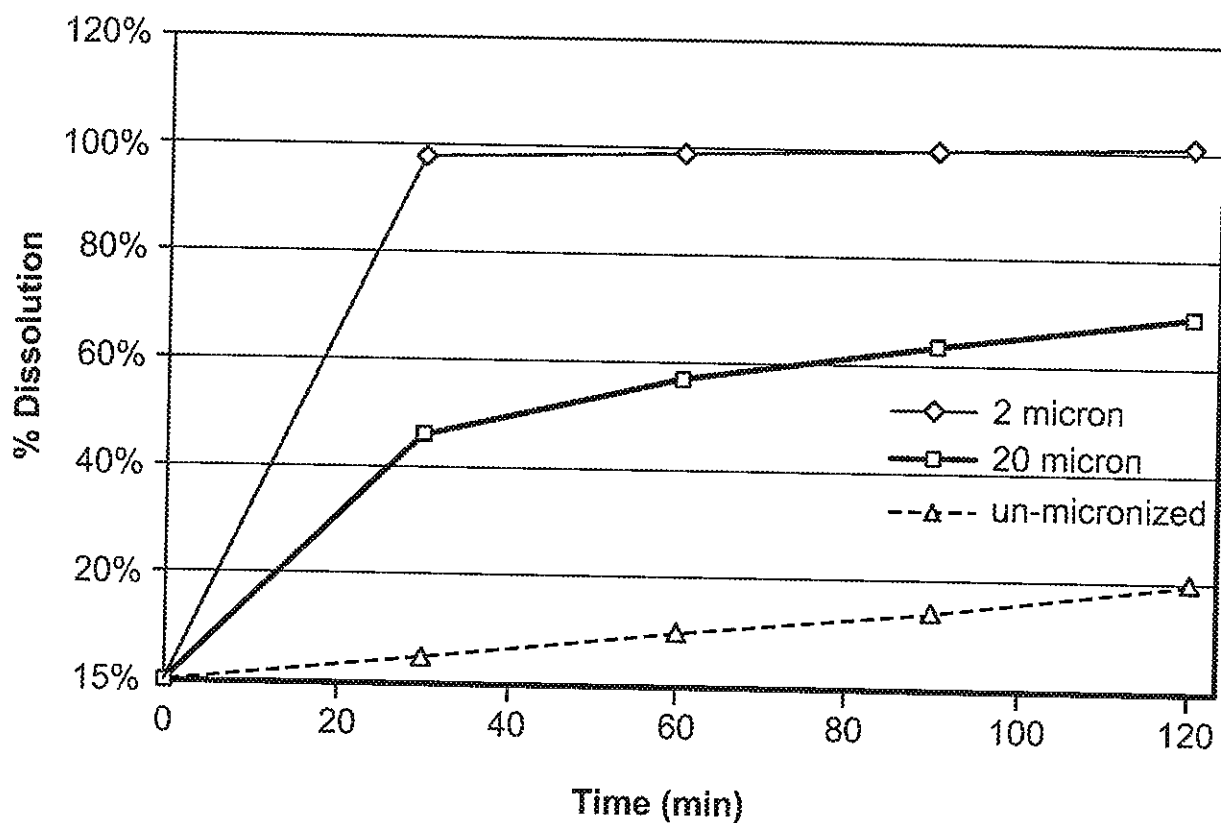


FIG. 17

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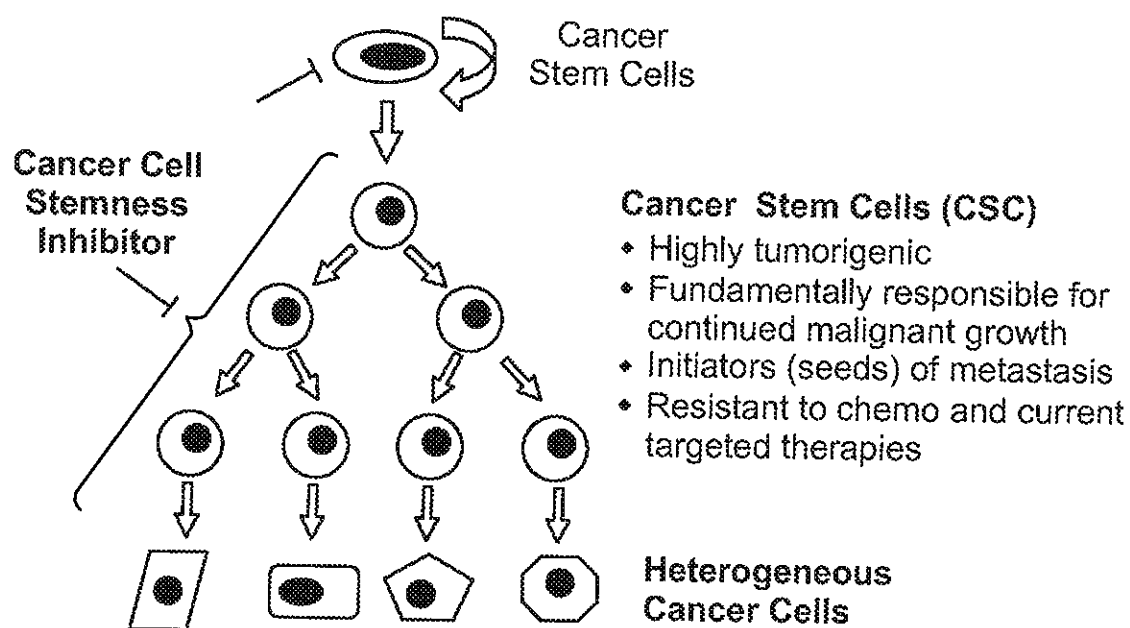


FIG. 18

After 4 Cycles

After 2 Cycles

Baseline



FIG. 19

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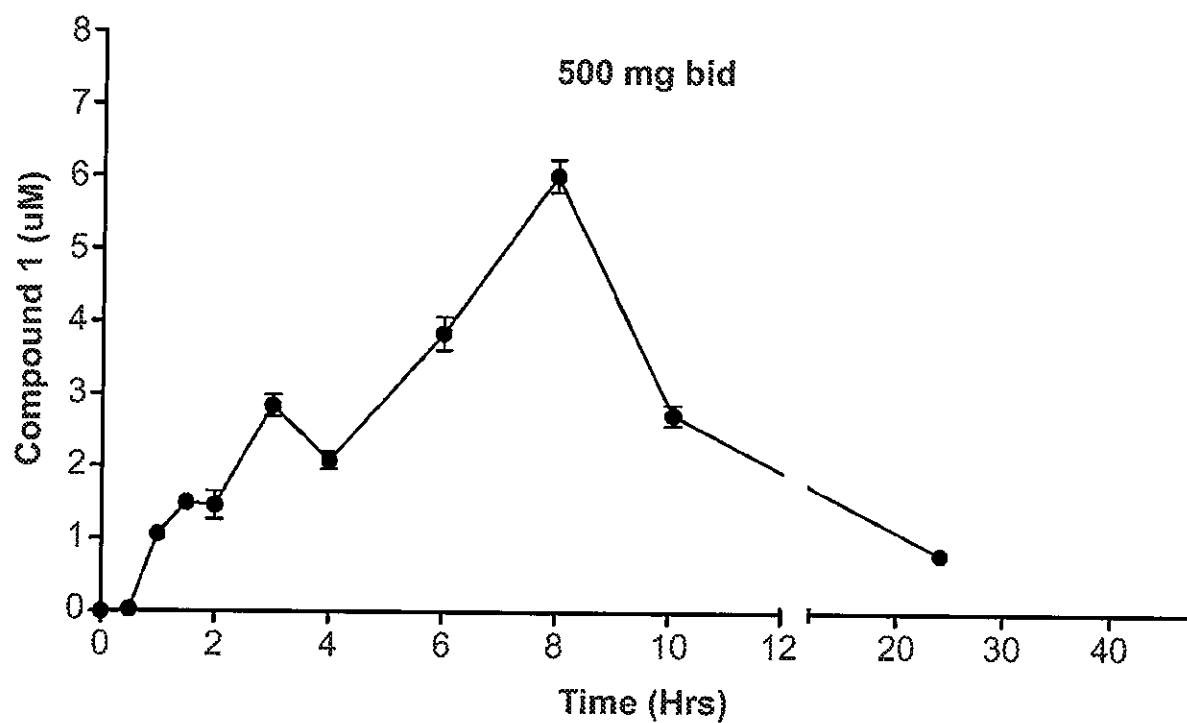


FIG. 20

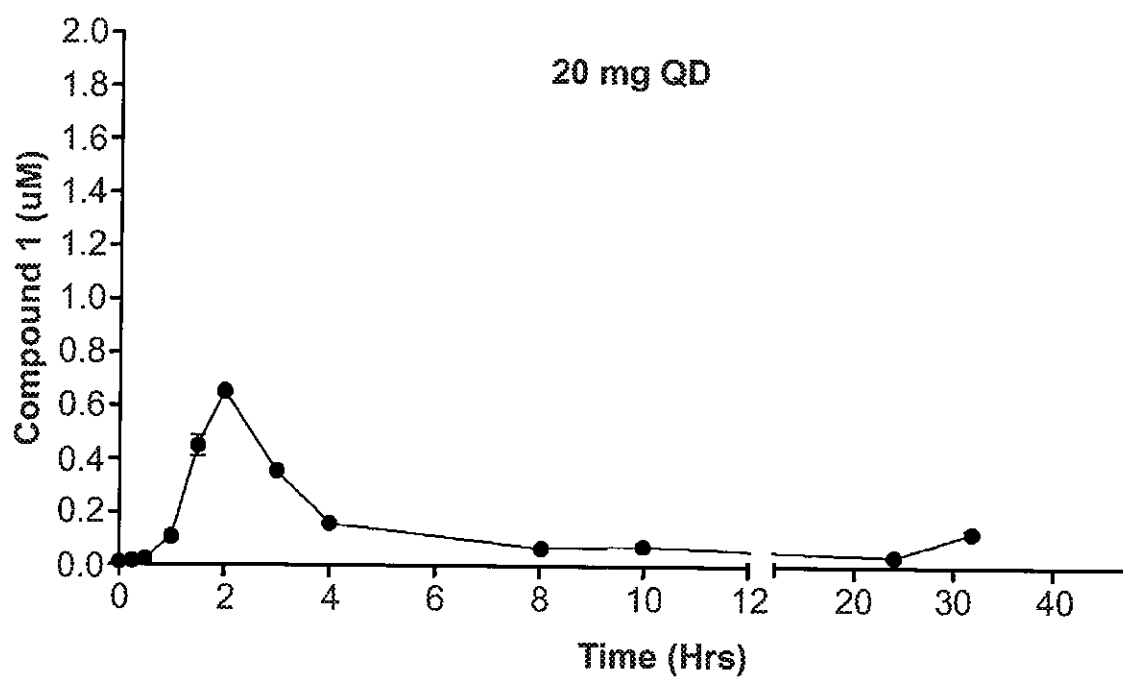


FIG. 21

FIG. 22

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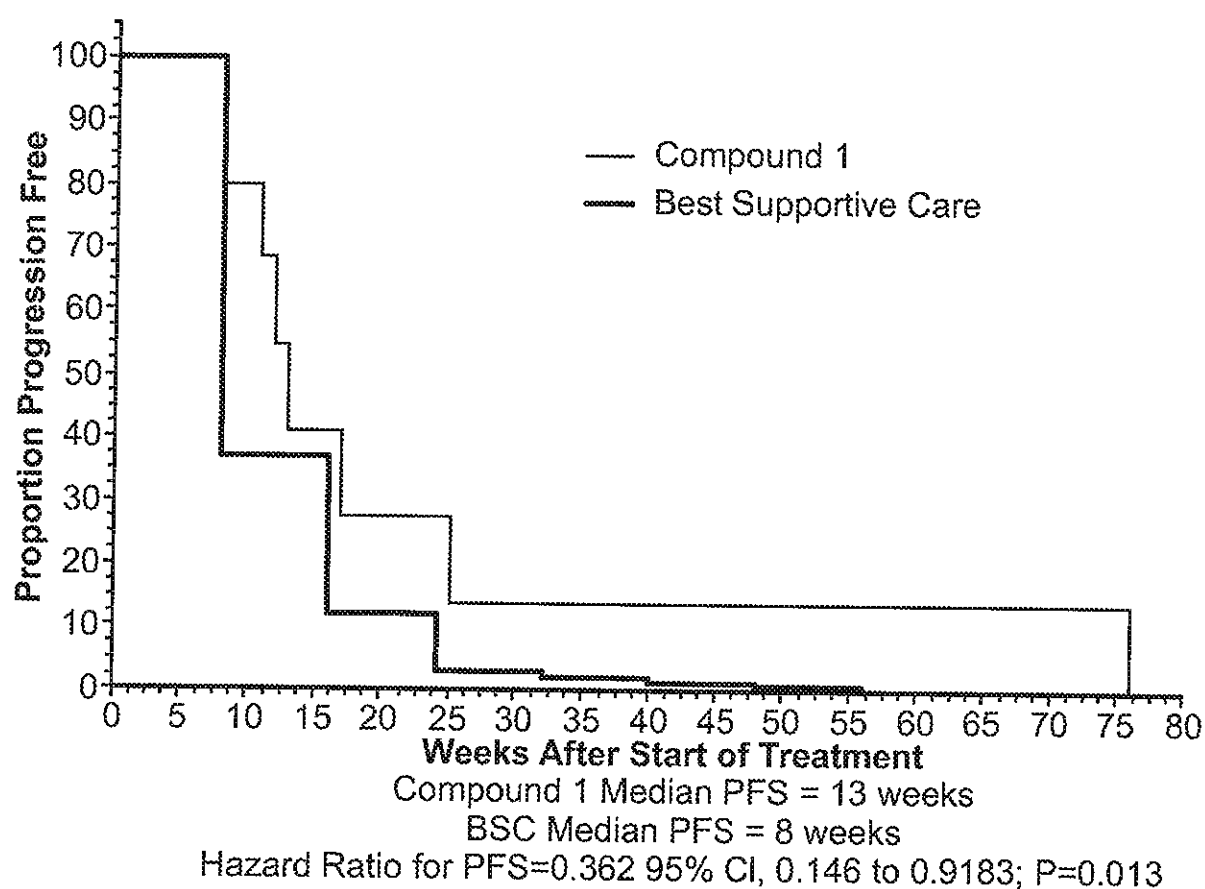
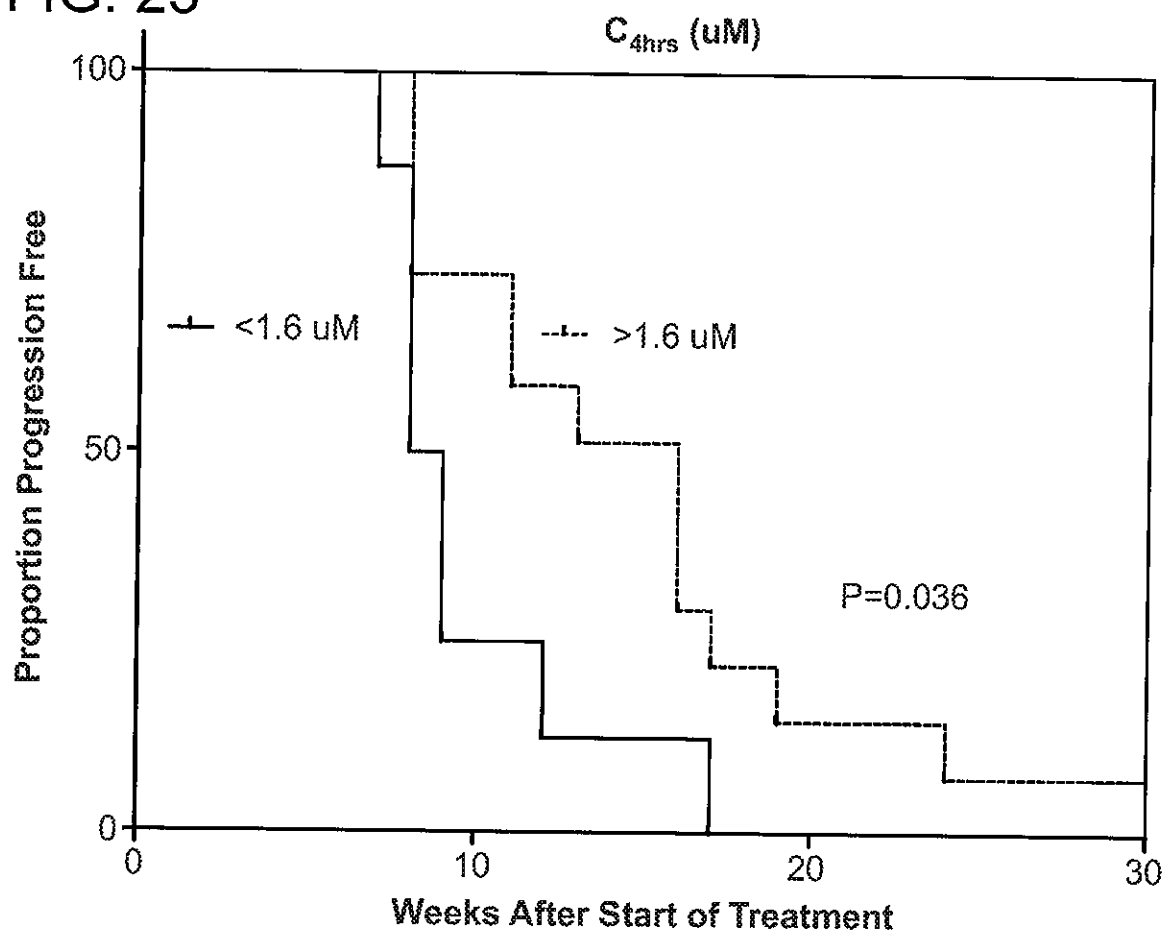


FIG. 23



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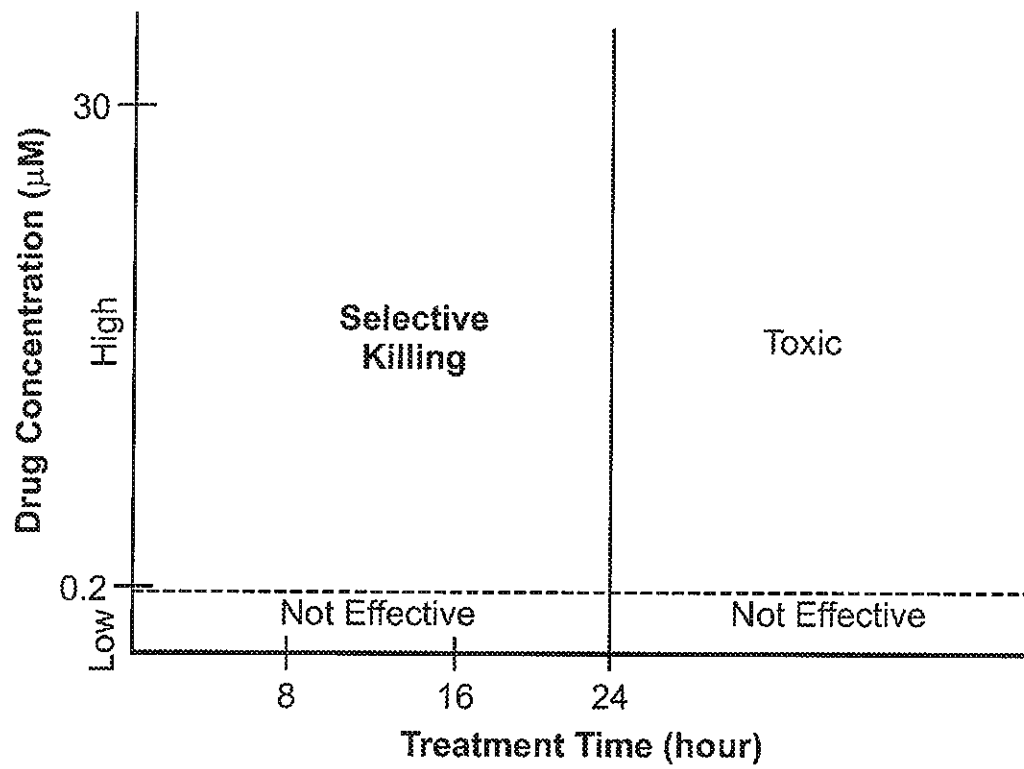


FIG. 24

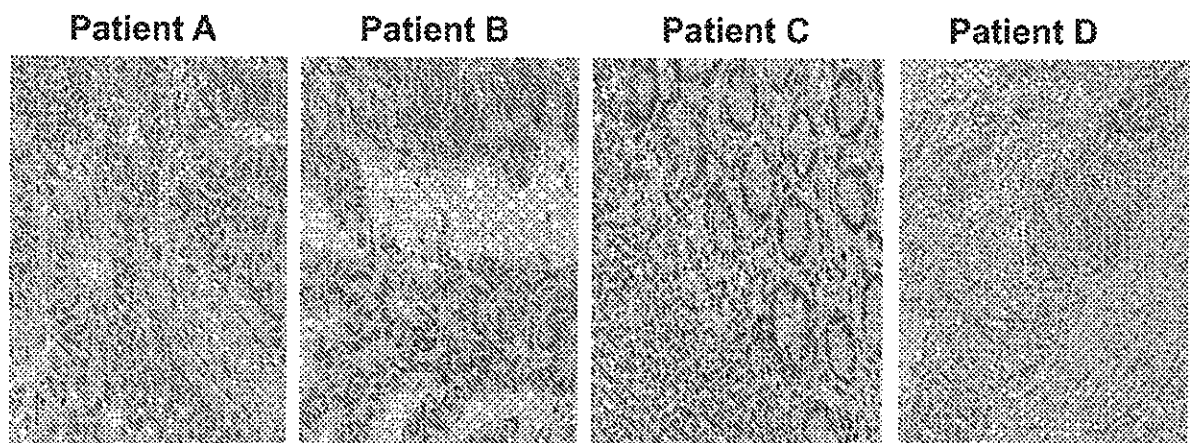


FIG. 25