

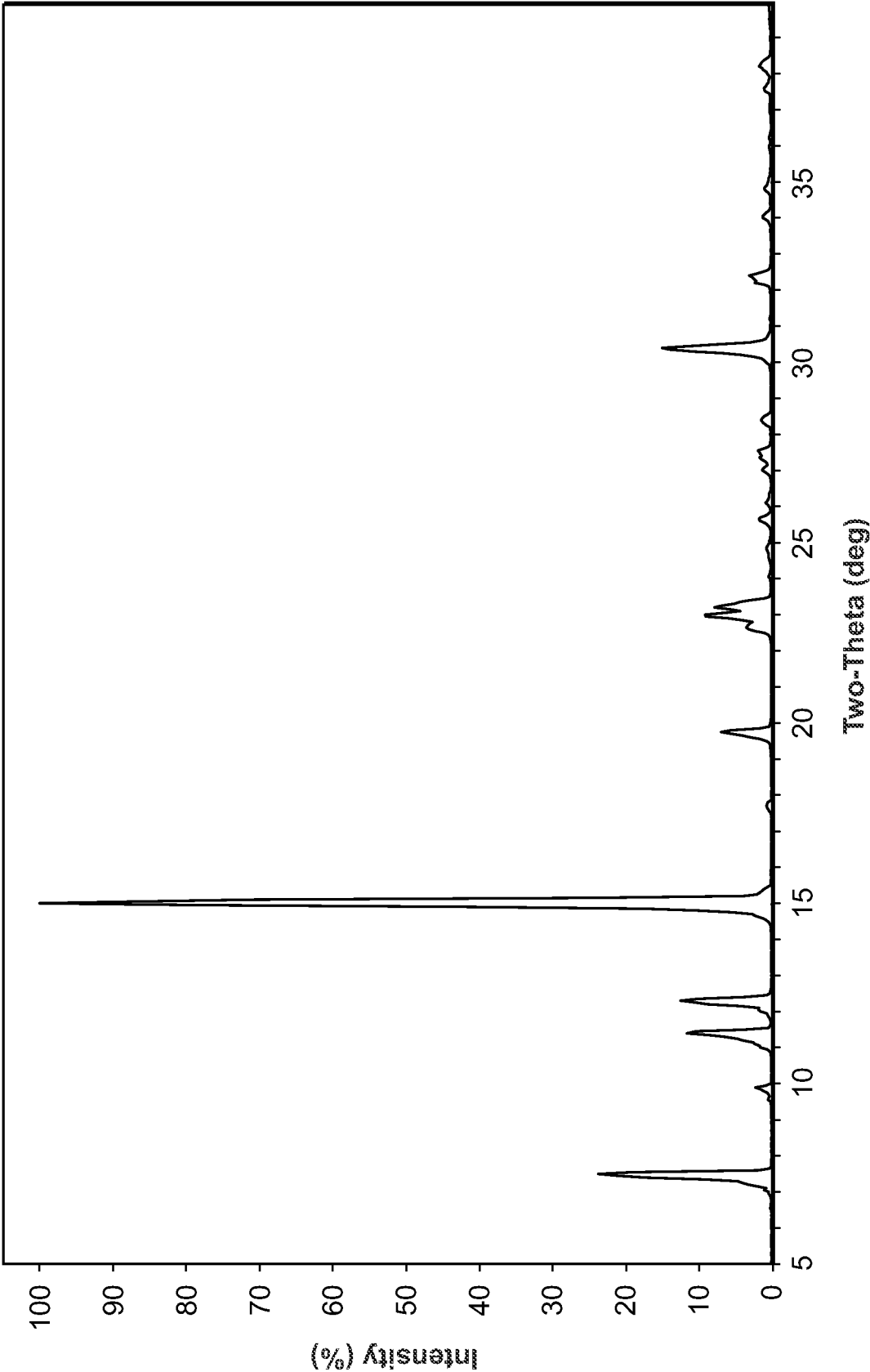


FIG. 1

2/24

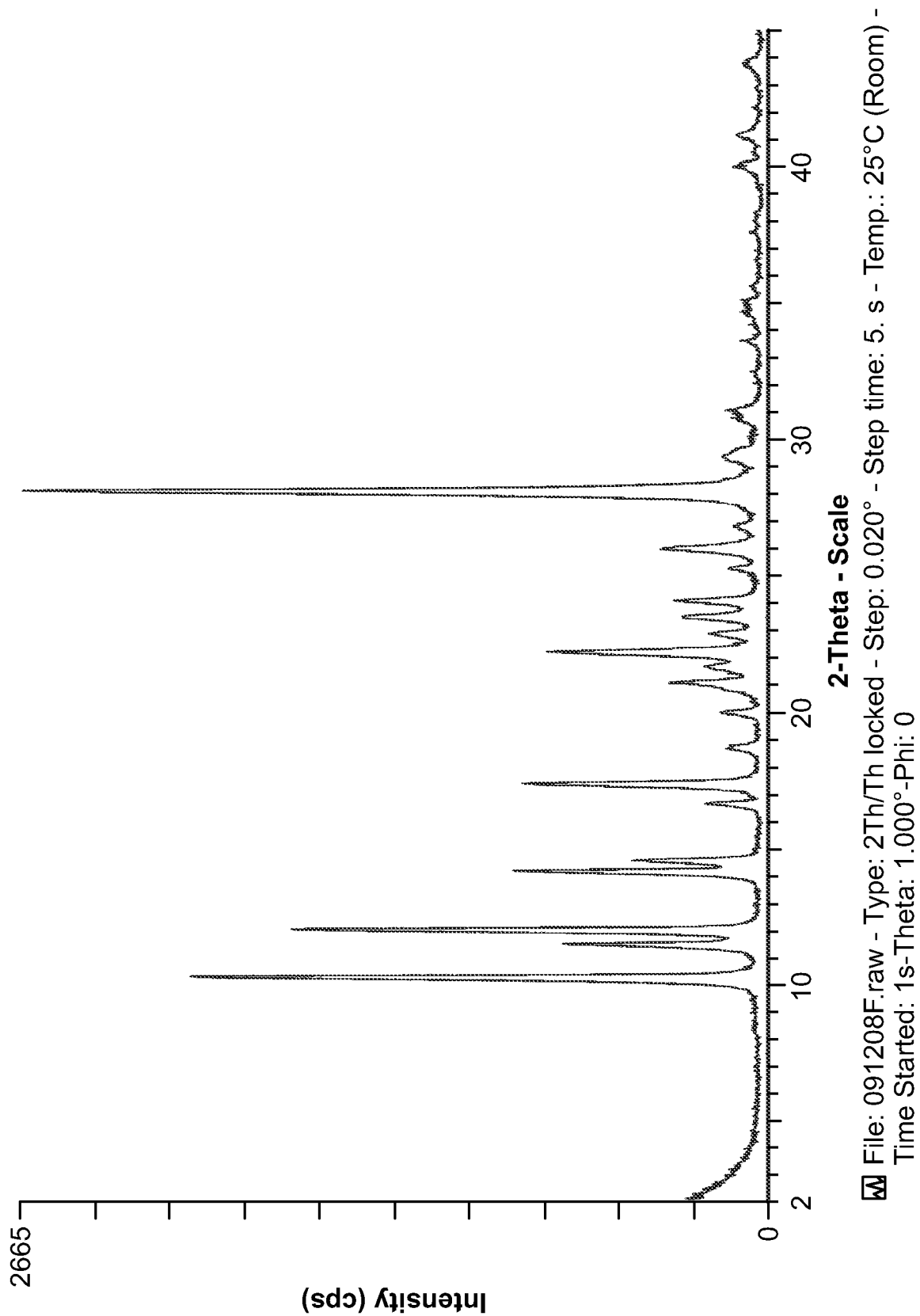


FIG. 2

3/24

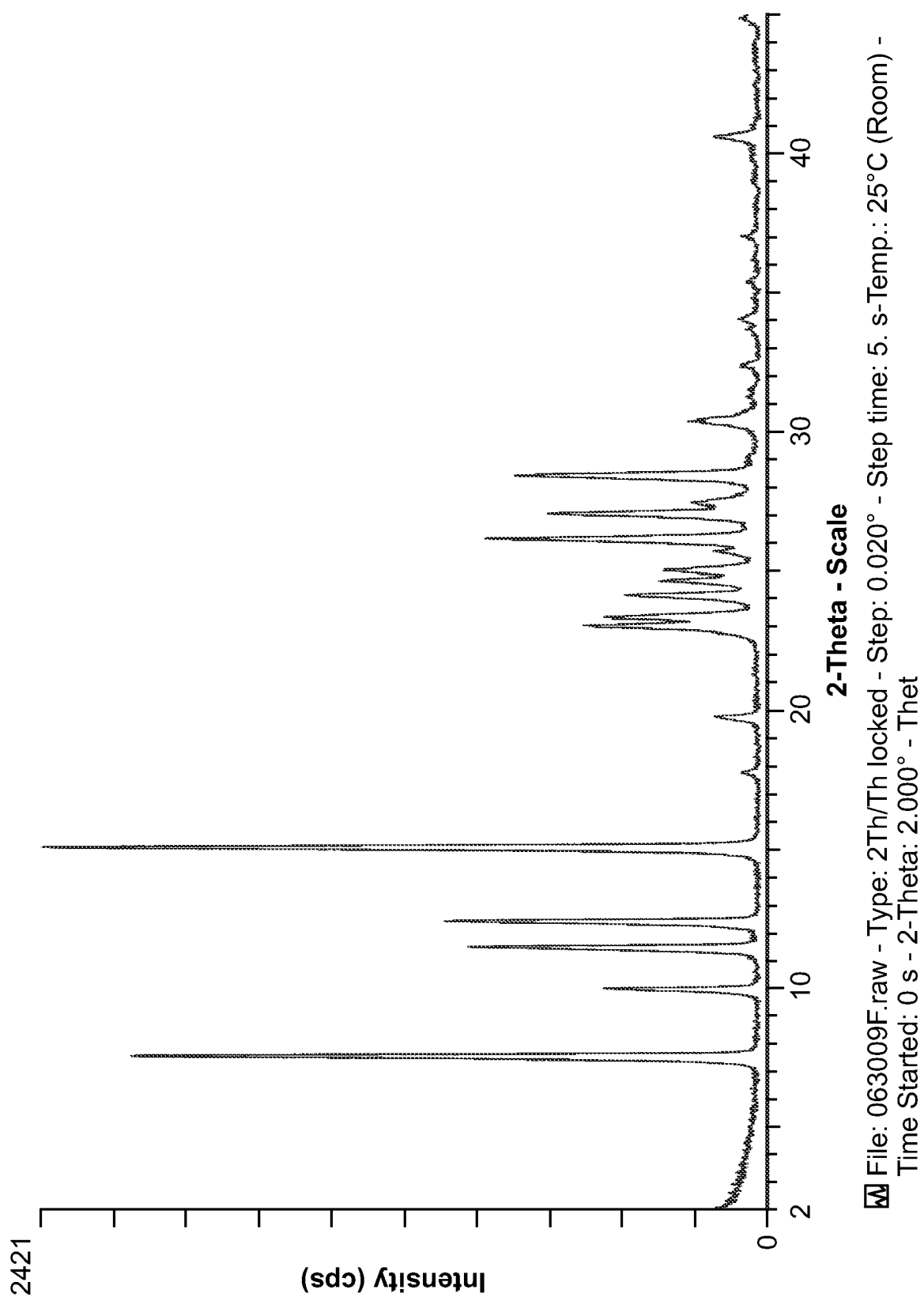


FIG. 3

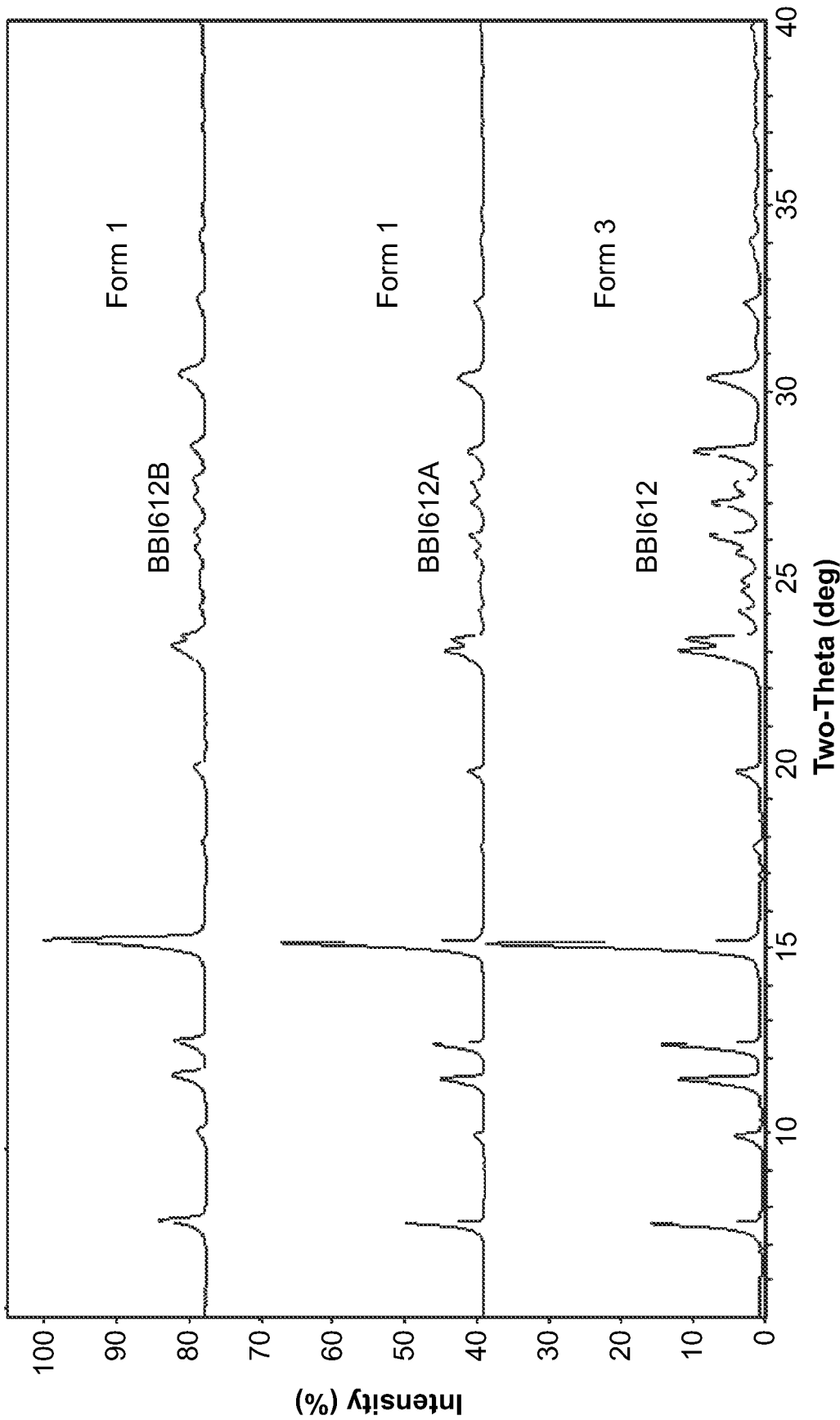


FIG. 4

5/24

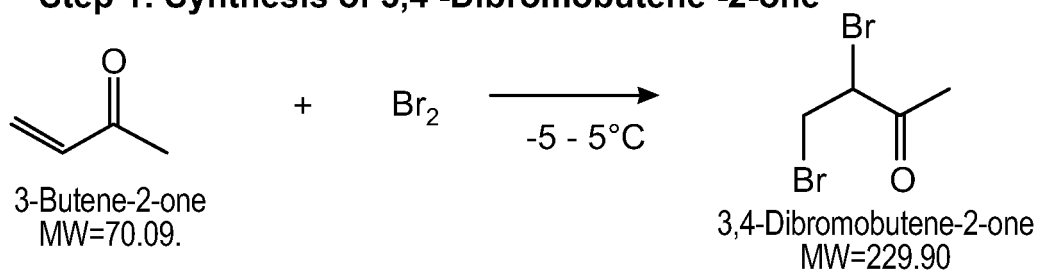
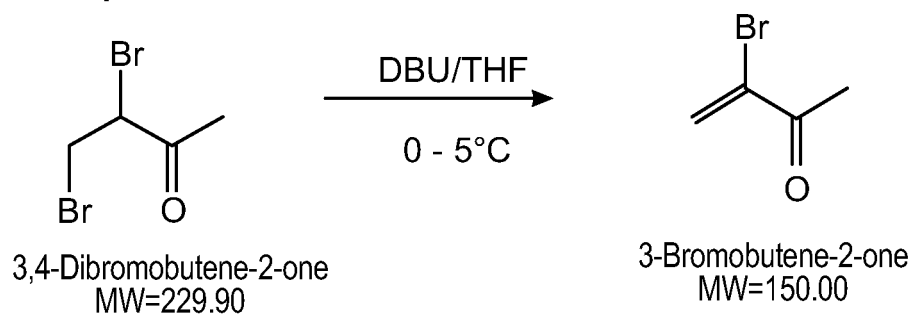
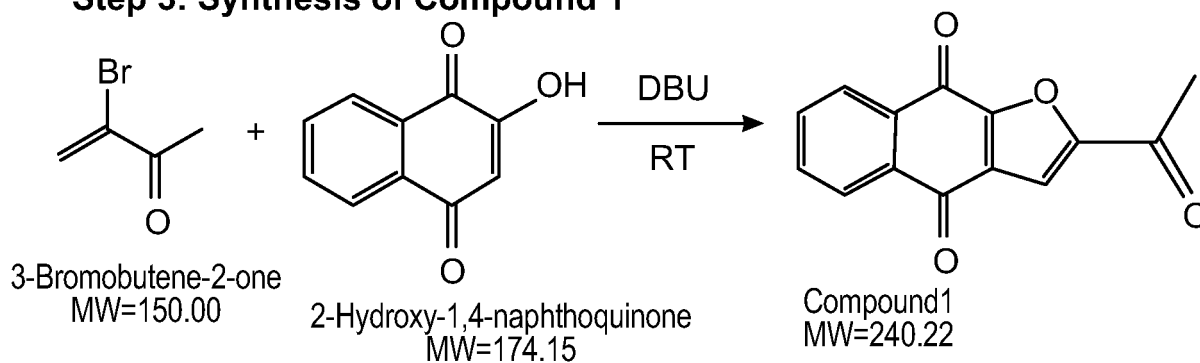
Process Flow Diagram**Step 1: Synthesis of 3,4 -Dibromobutene -2-one****Step 2: De-bromination of 3 -Bromobutene -2-one****Step 3: Synthesis of Compound 1**

FIG. 5A

6/24

Process Flow Diagram

Compound 1 Process Flow Diagram: Synthesis/Crude Isolation

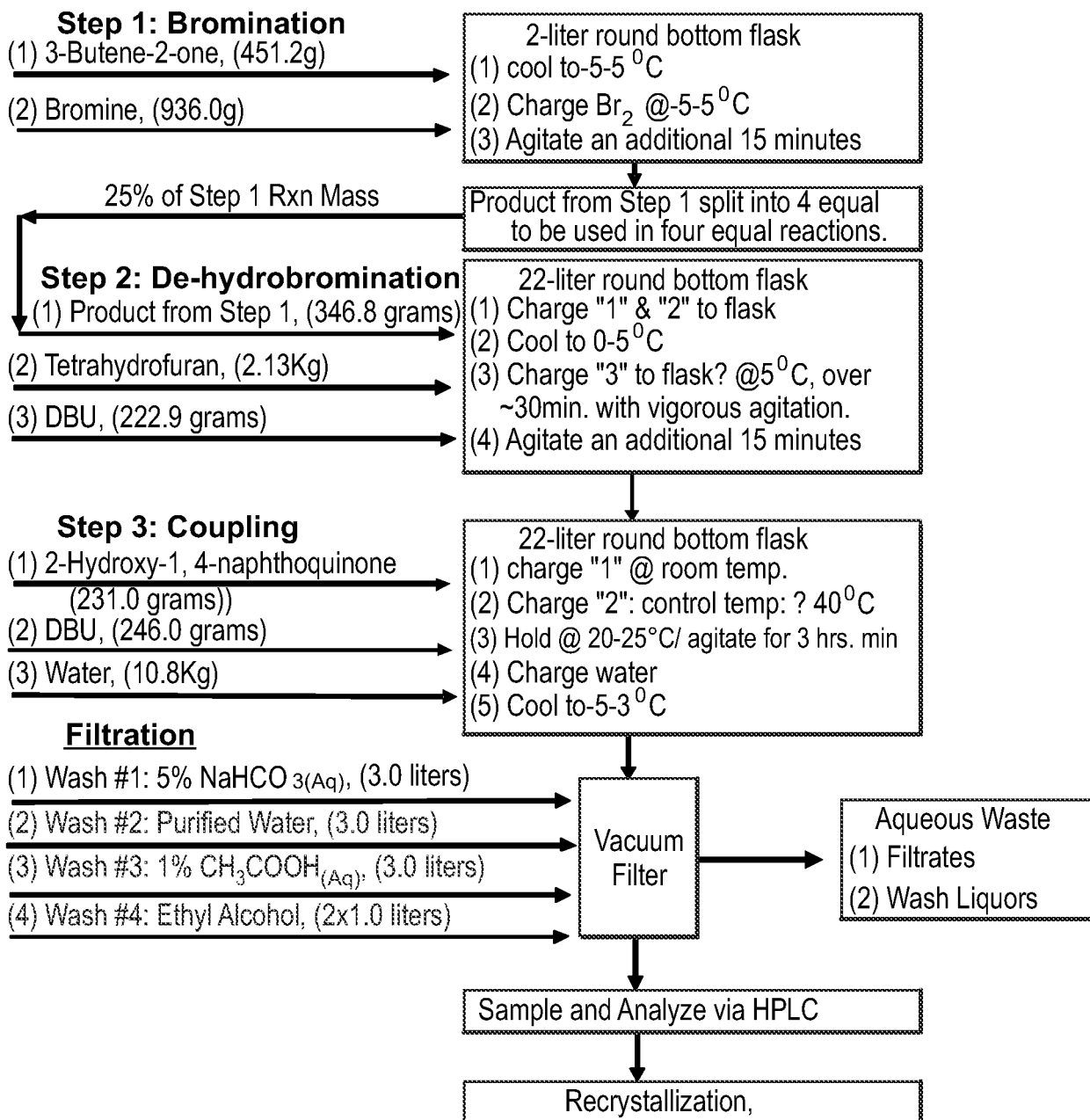
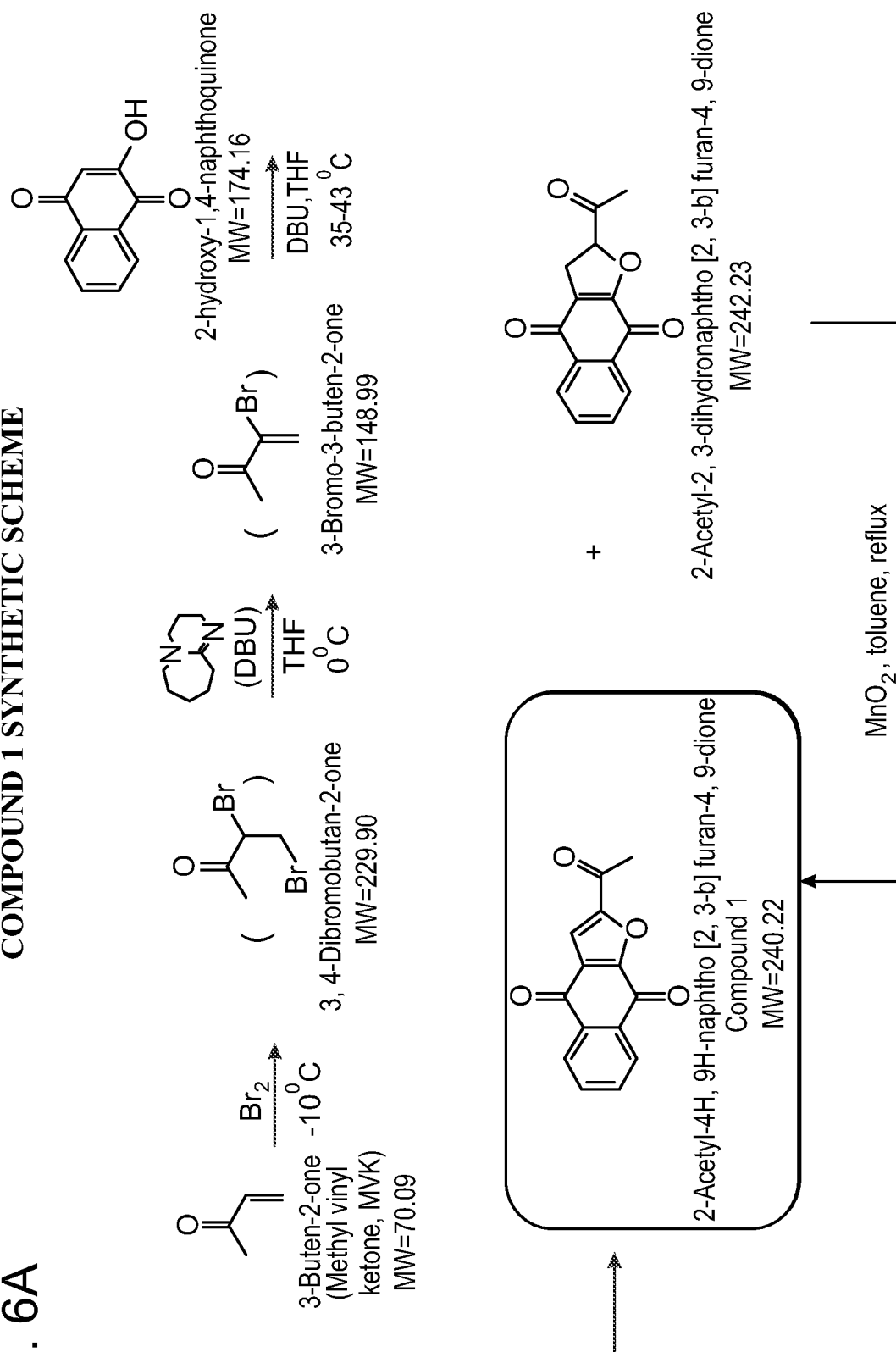


FIG. 5B

7/24

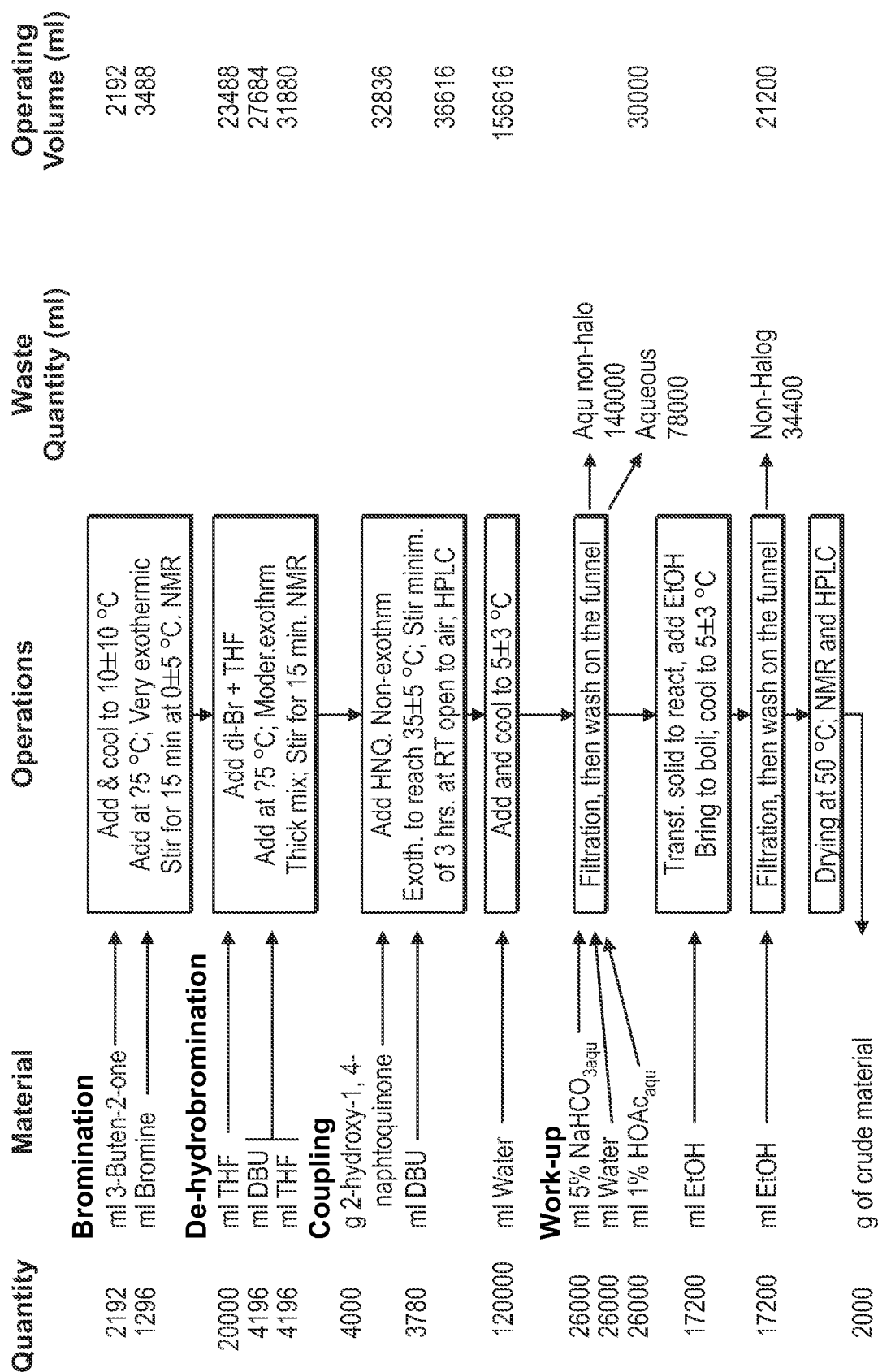
FIG. 6A

COMPOUND 1 SYNTHETIC SCHEME



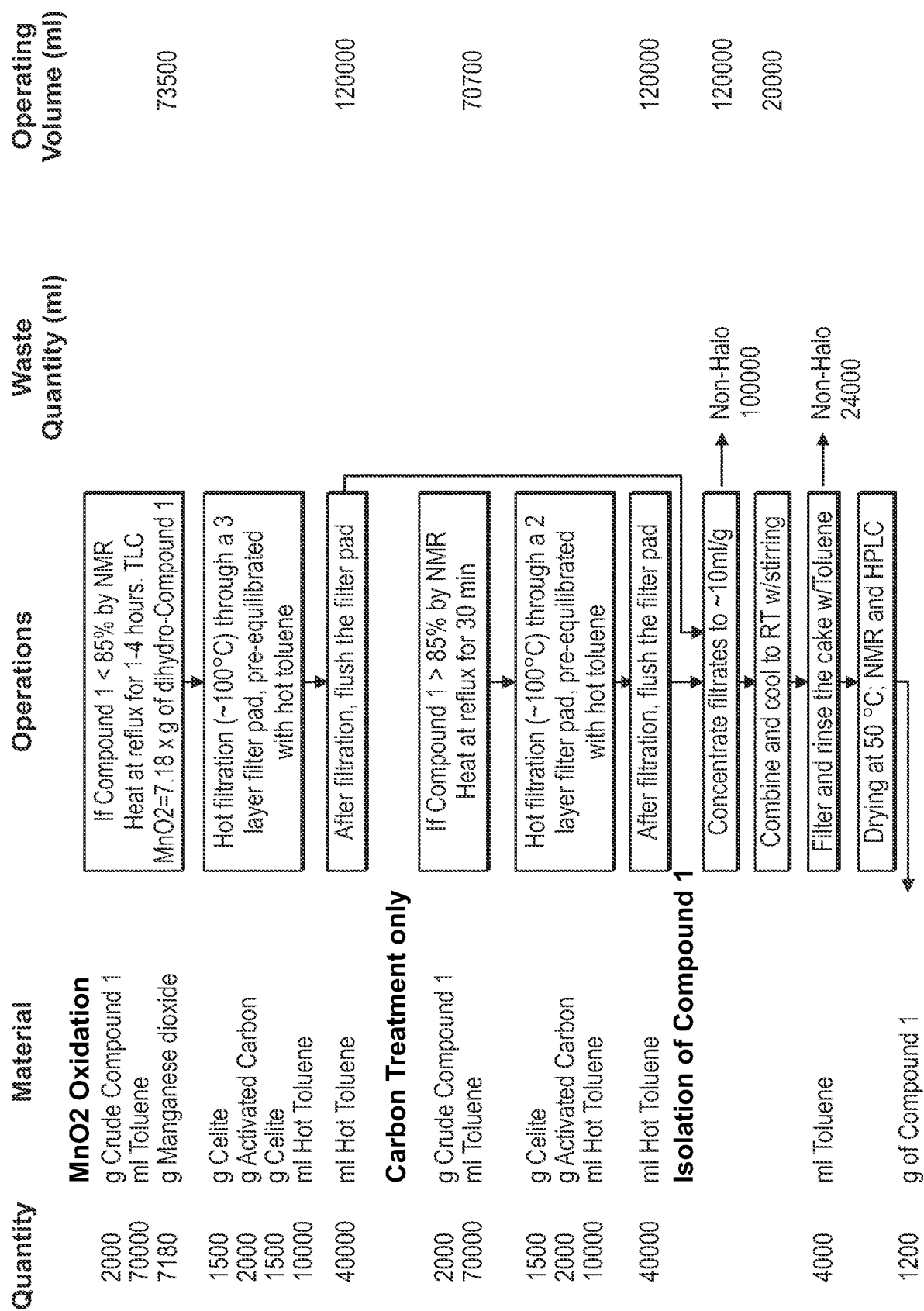
8/24

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



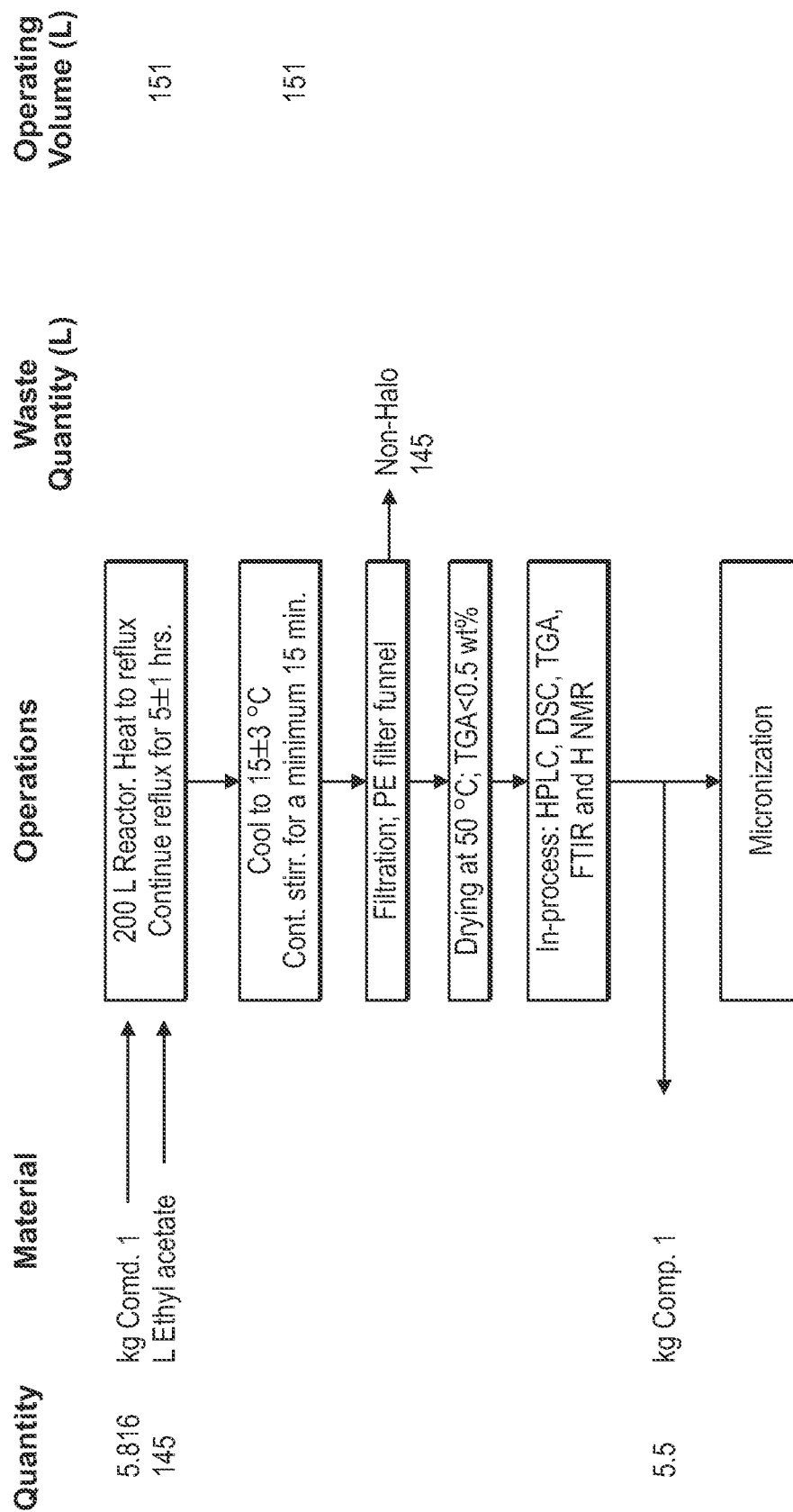
9/24

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



10/24

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



11/24

Crystal Form 1



FIG. 7A

Crystal Form 3

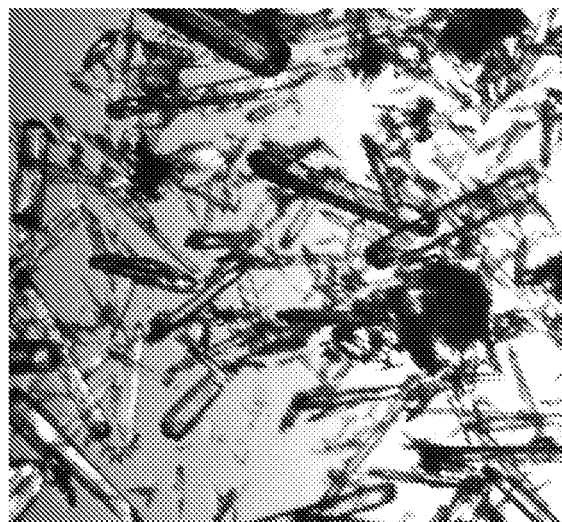


FIG. 7B

12/24

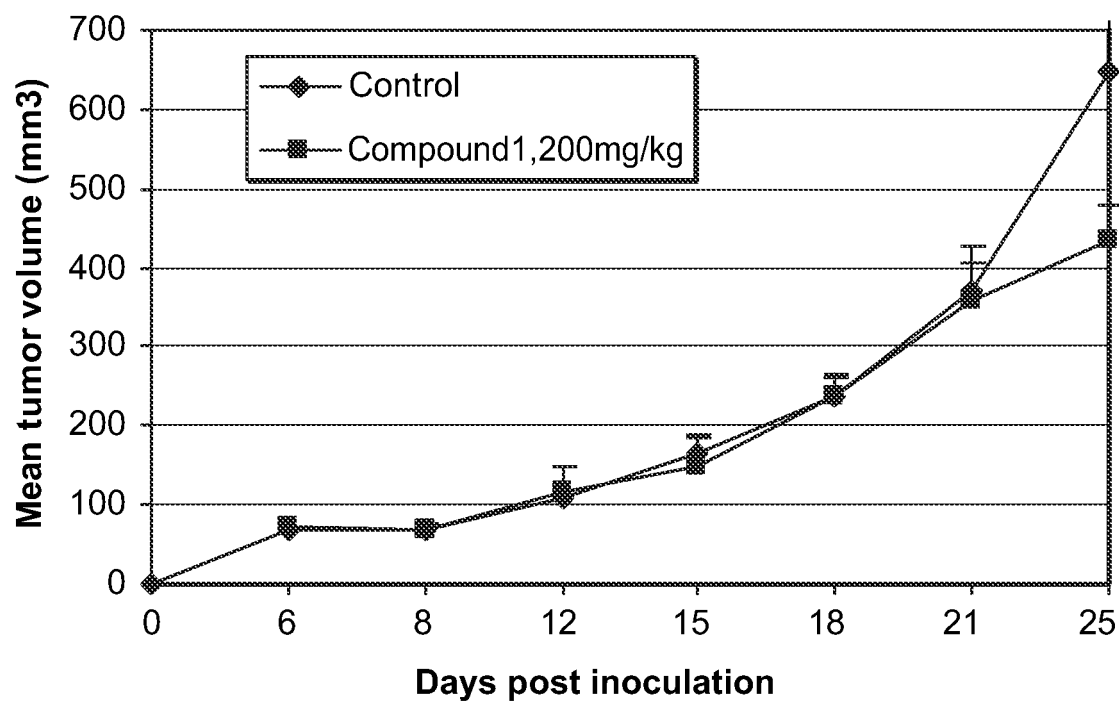


FIG. 8

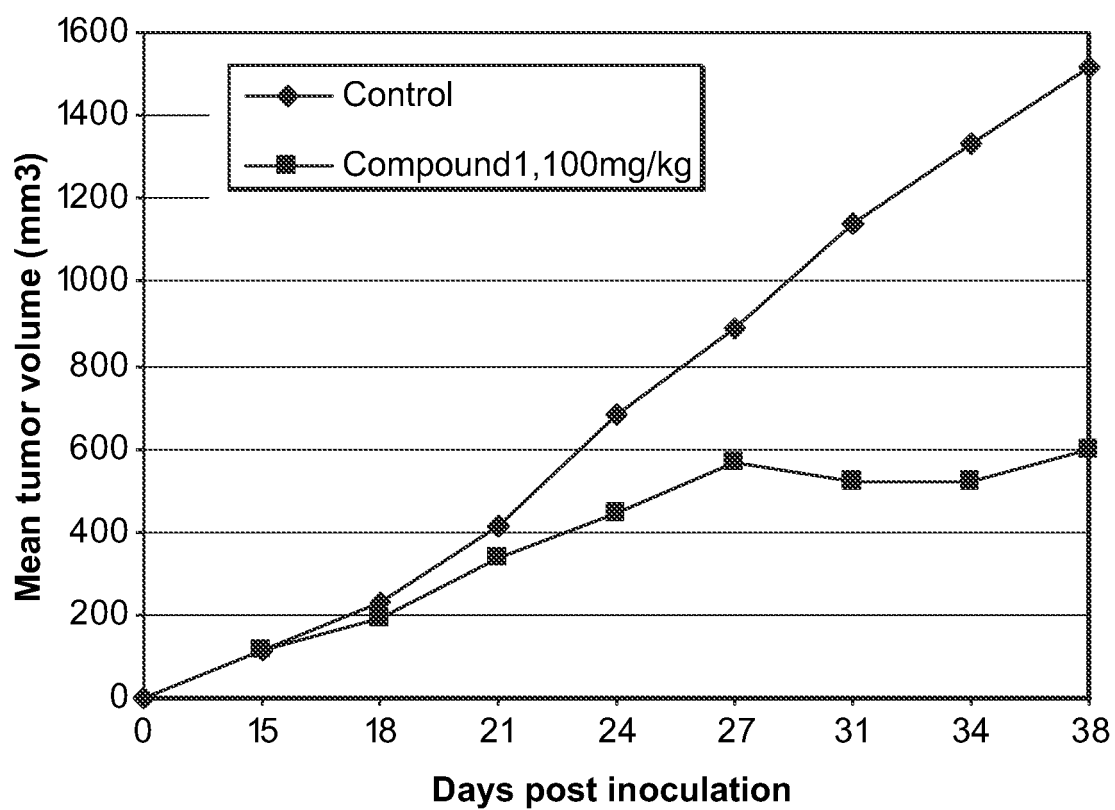


FIG. 9

13/24

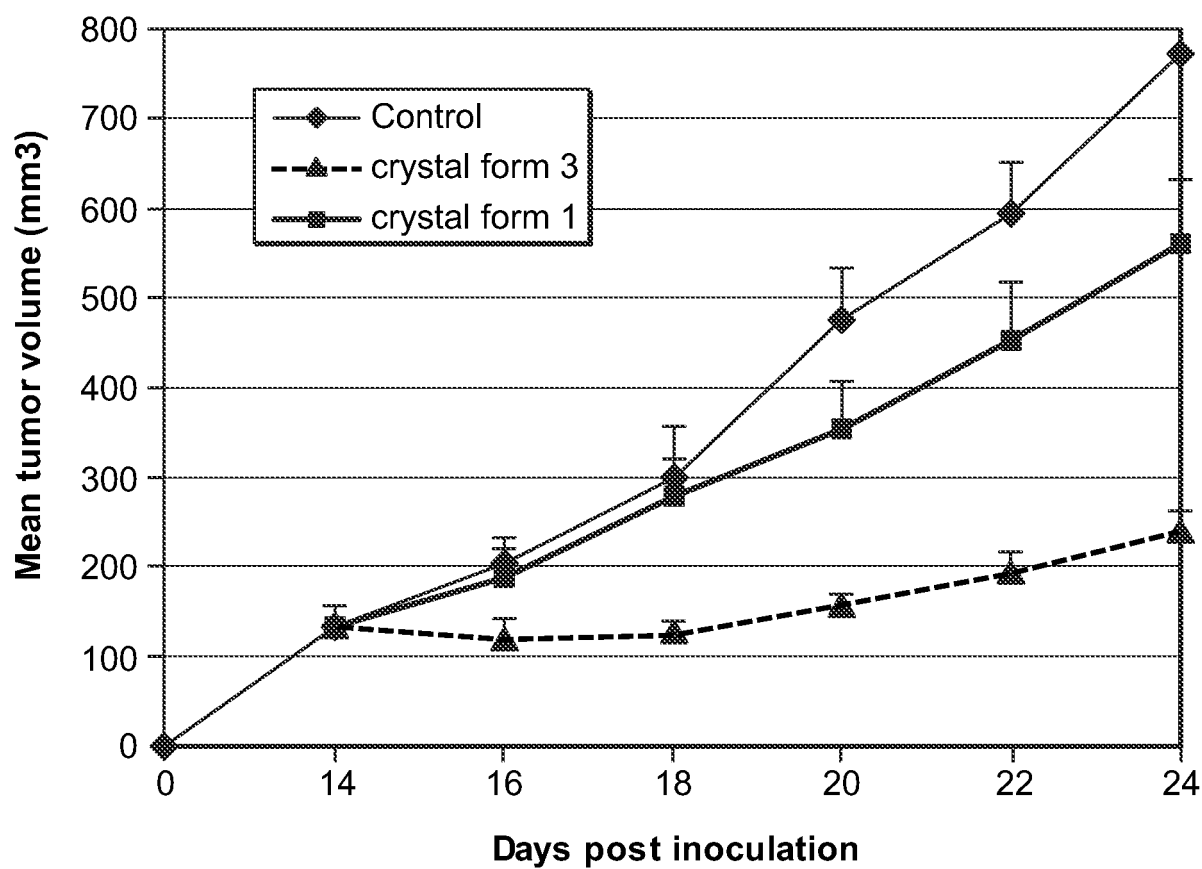


FIG. 10

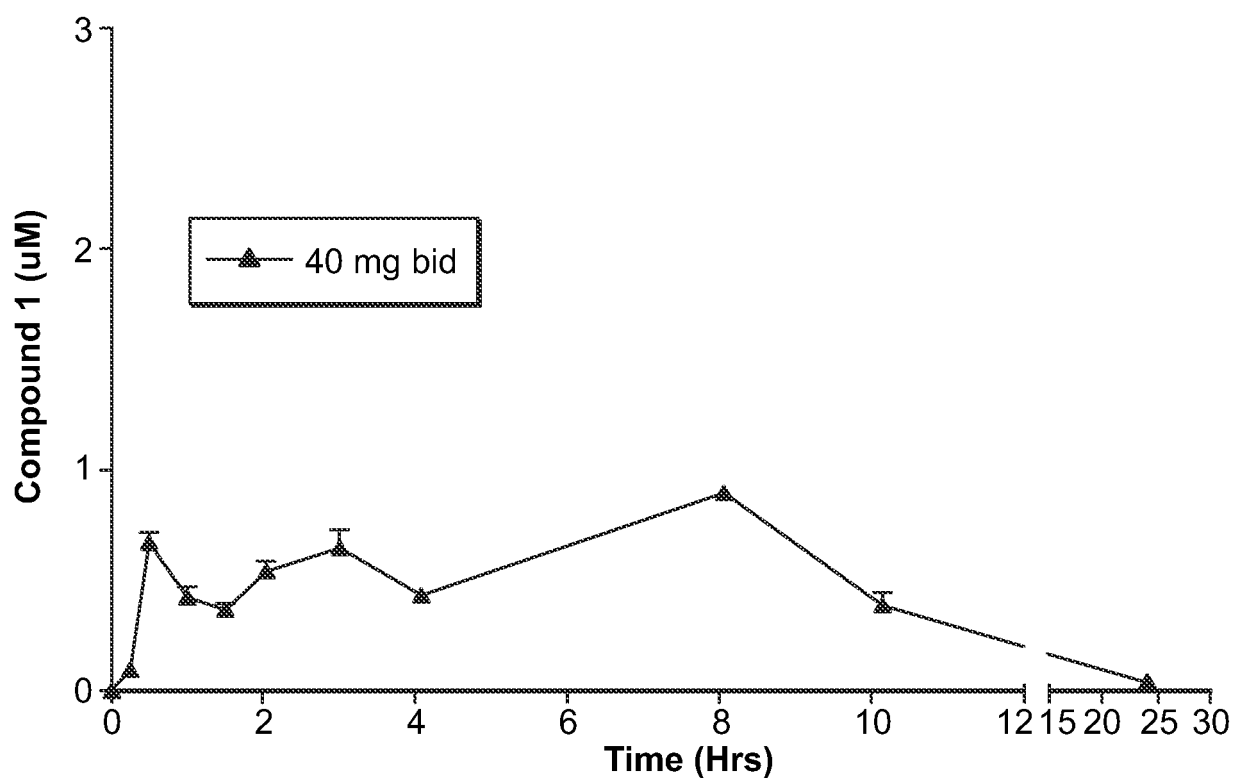


FIG. 11

14/24

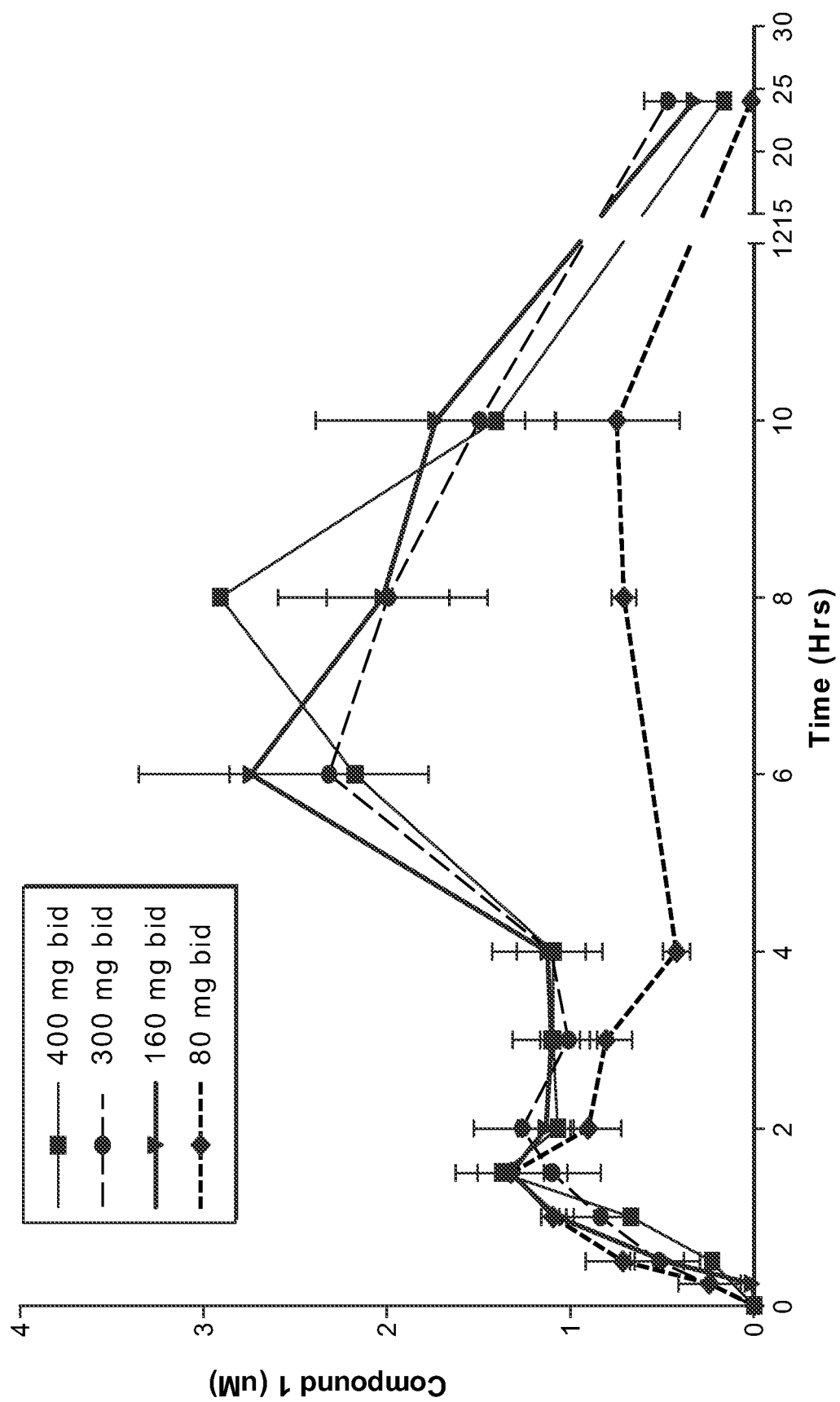
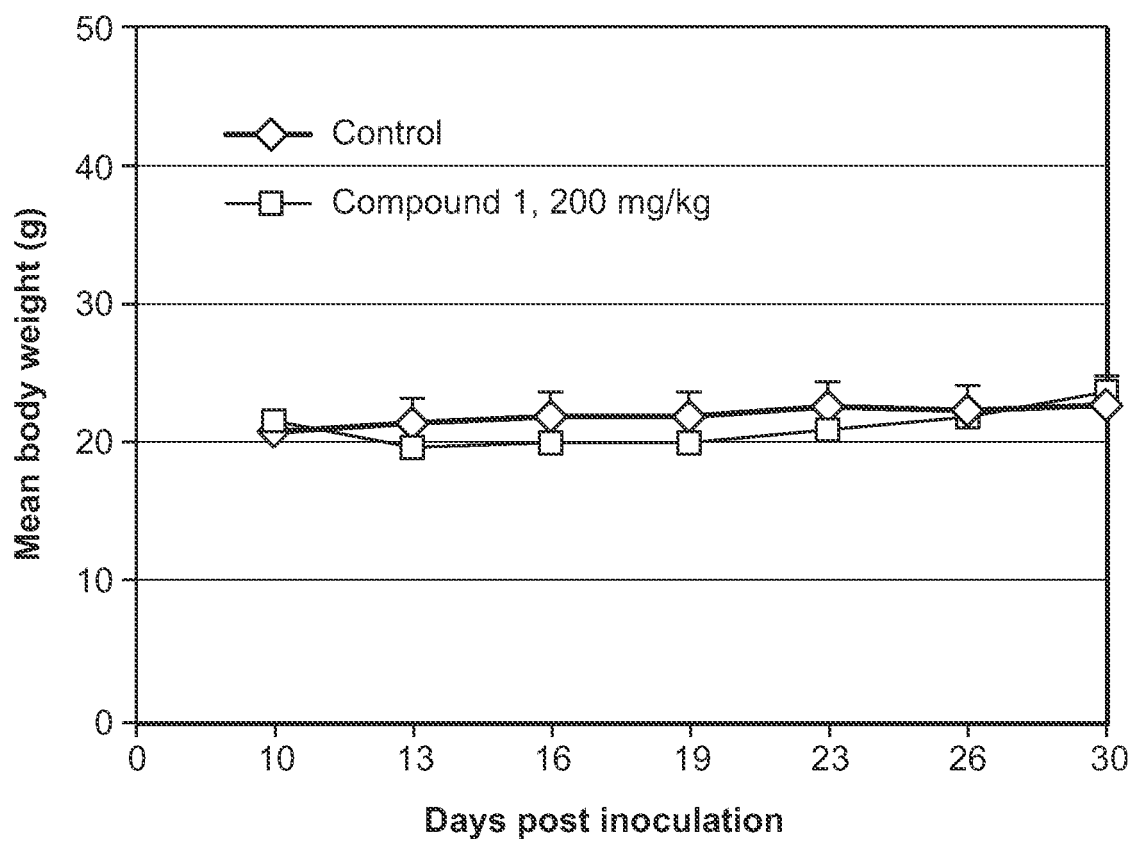
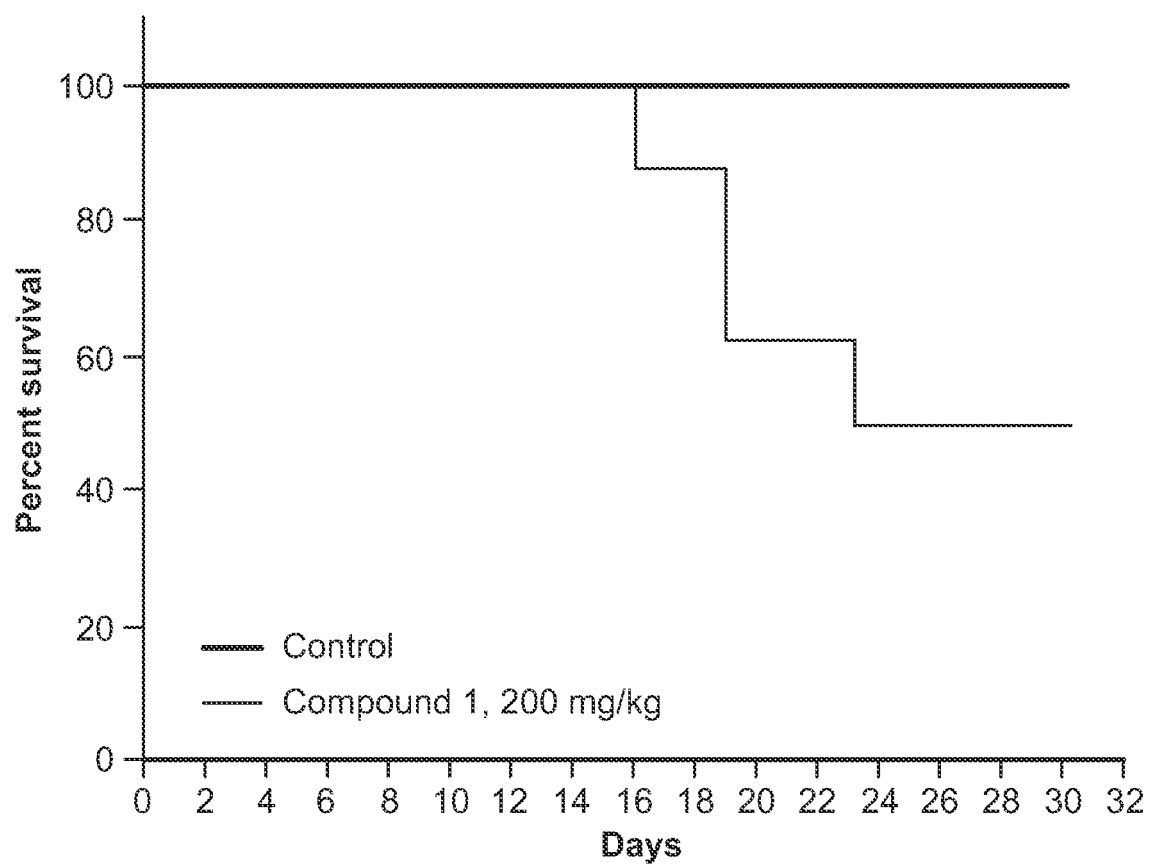


FIG. 12

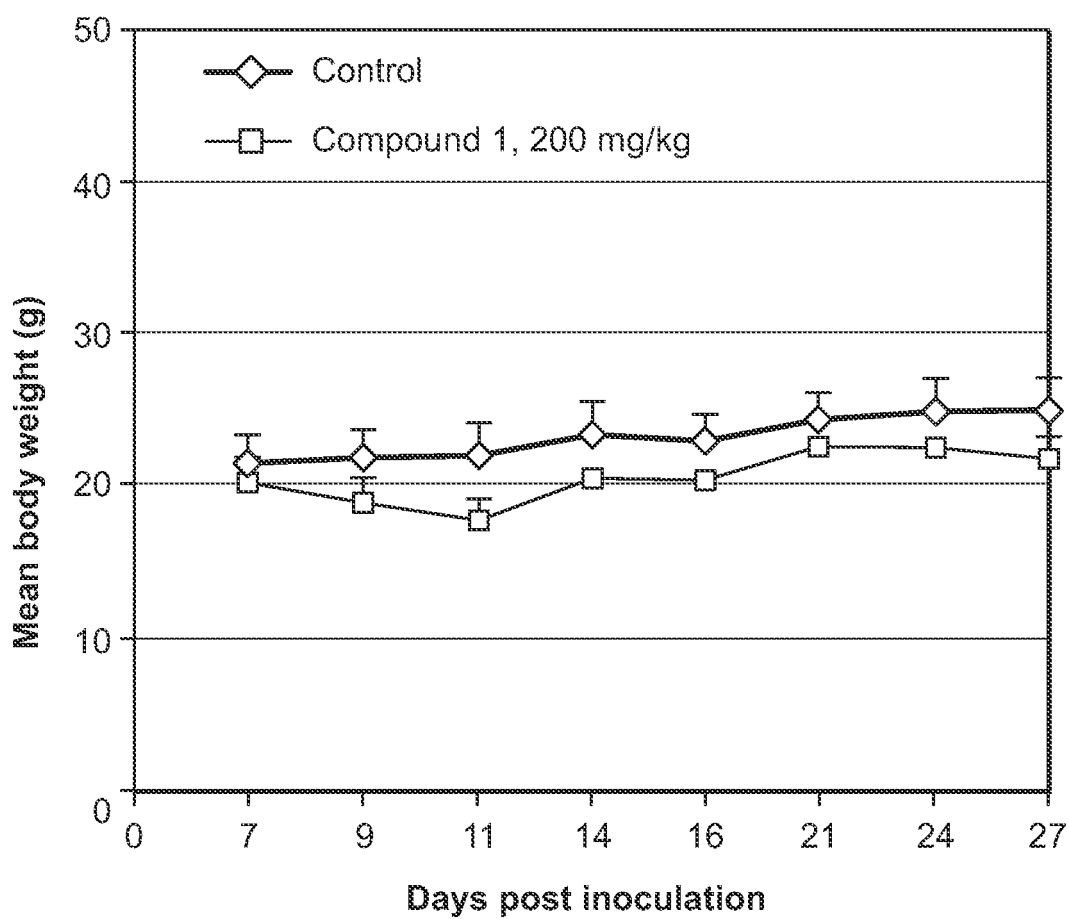
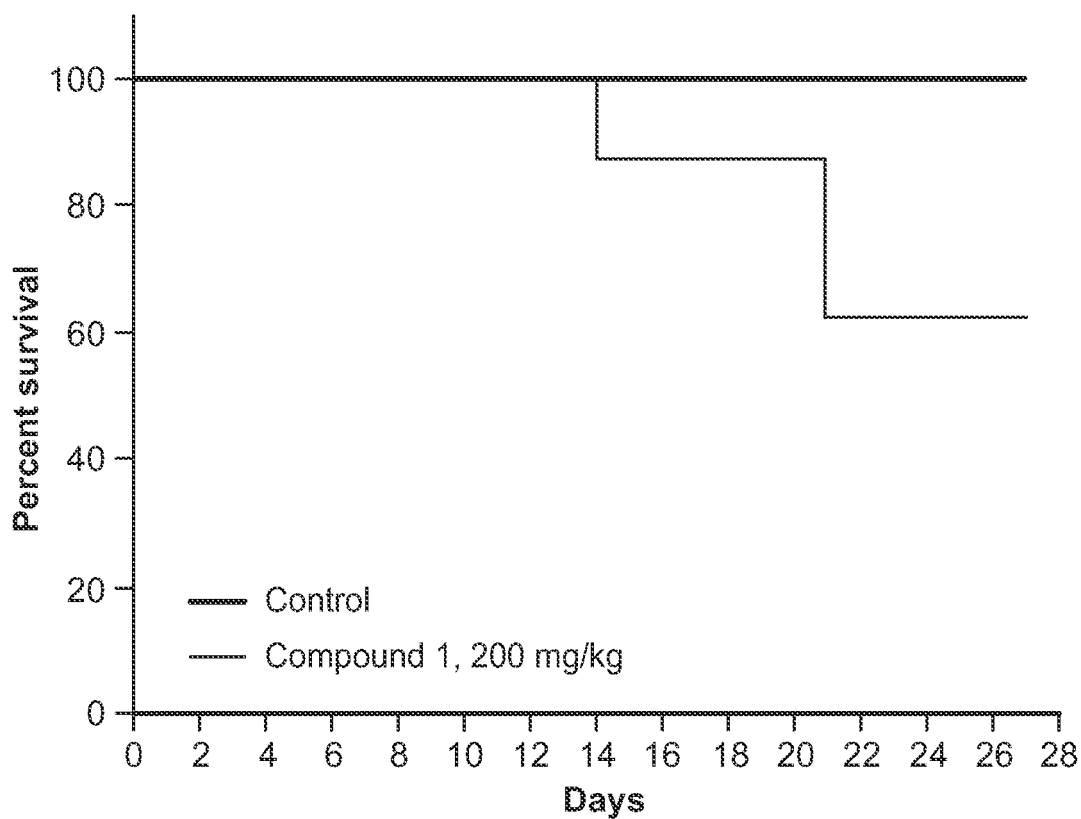
15/24

FIG. 13



16/24

FIG. 13 CONT.



17/24

FIG. 14

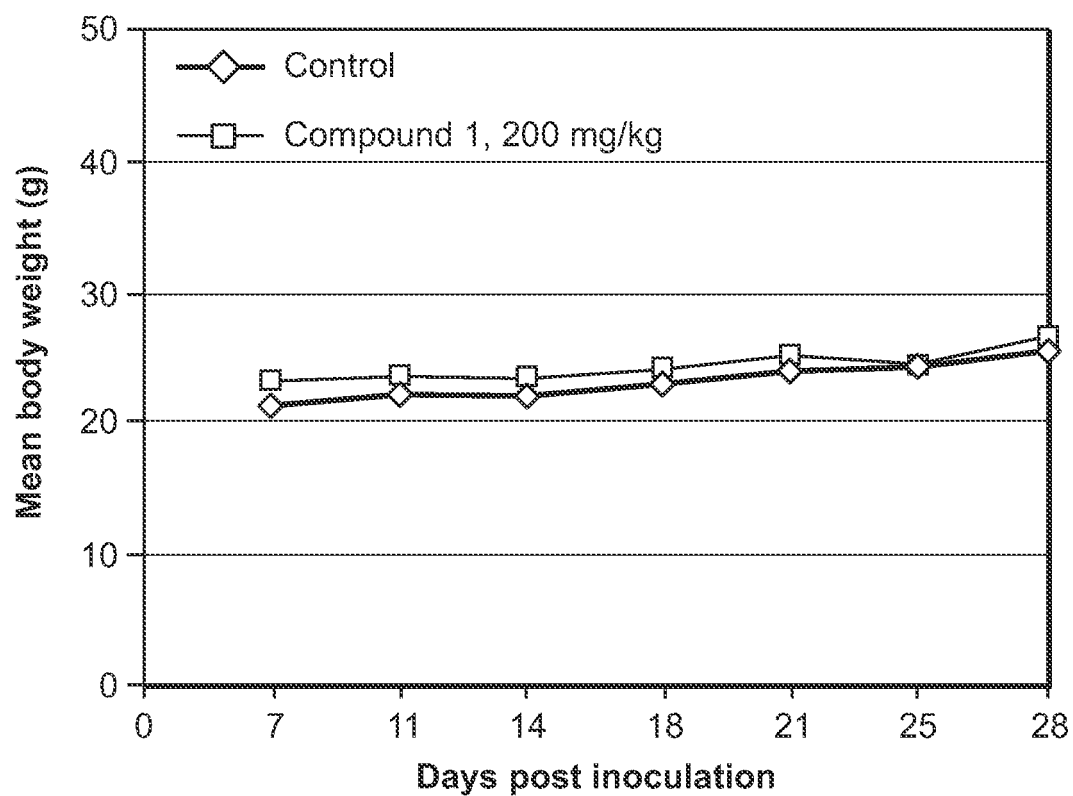
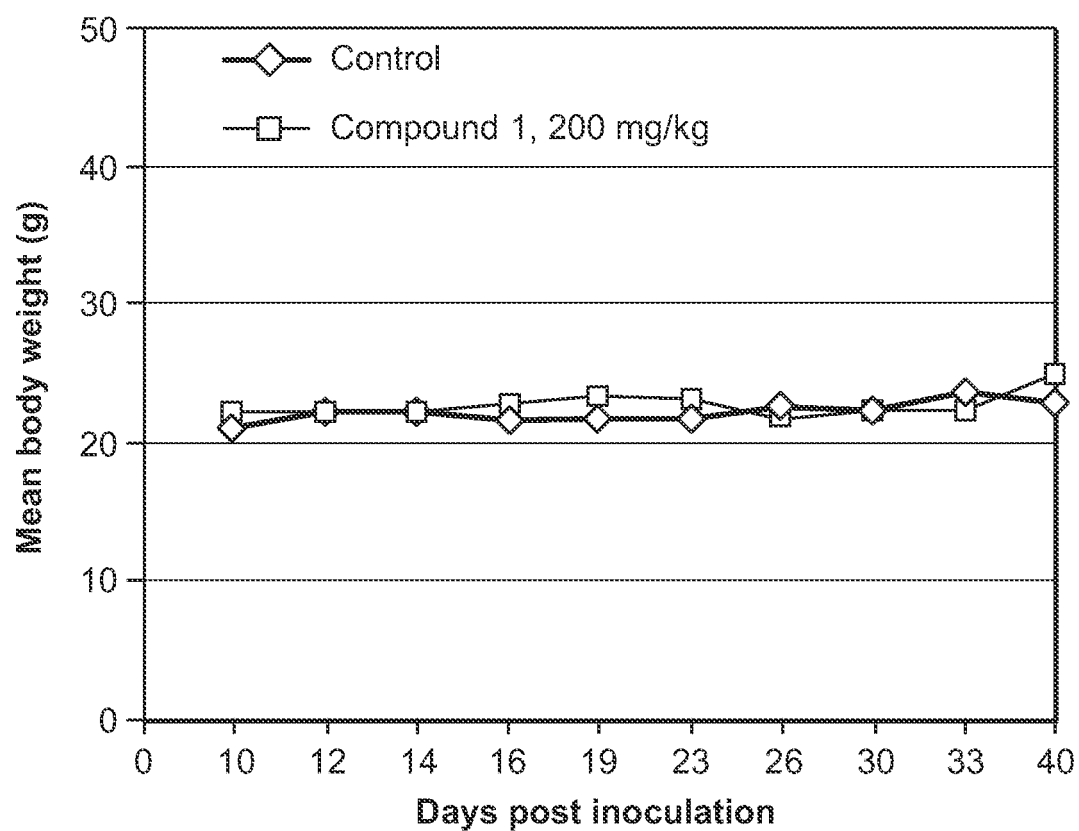
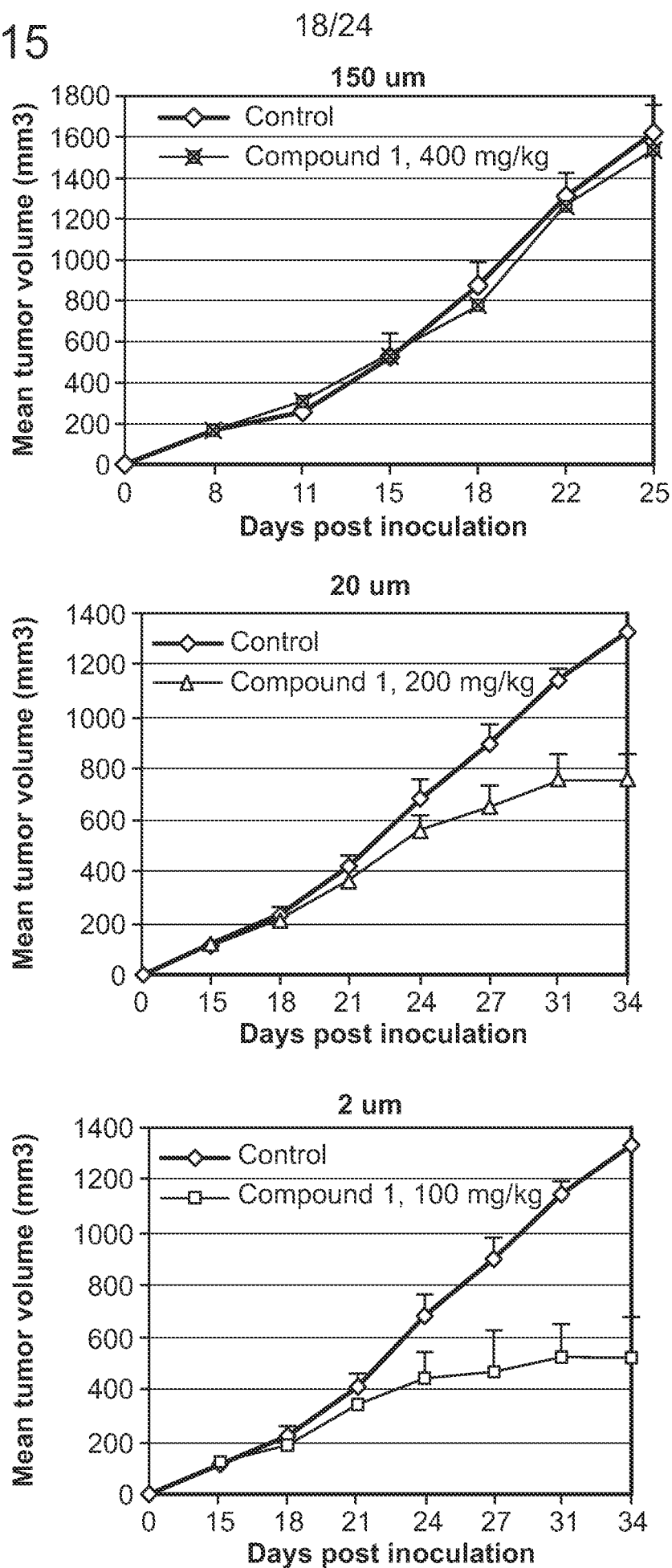


FIG. 15



19/24

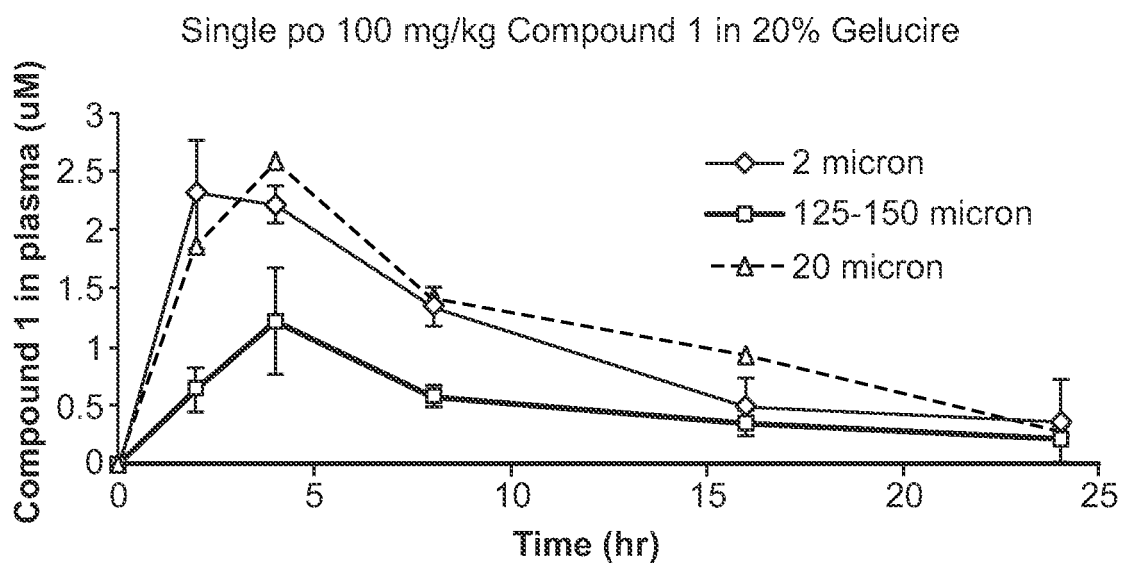


FIG. 16

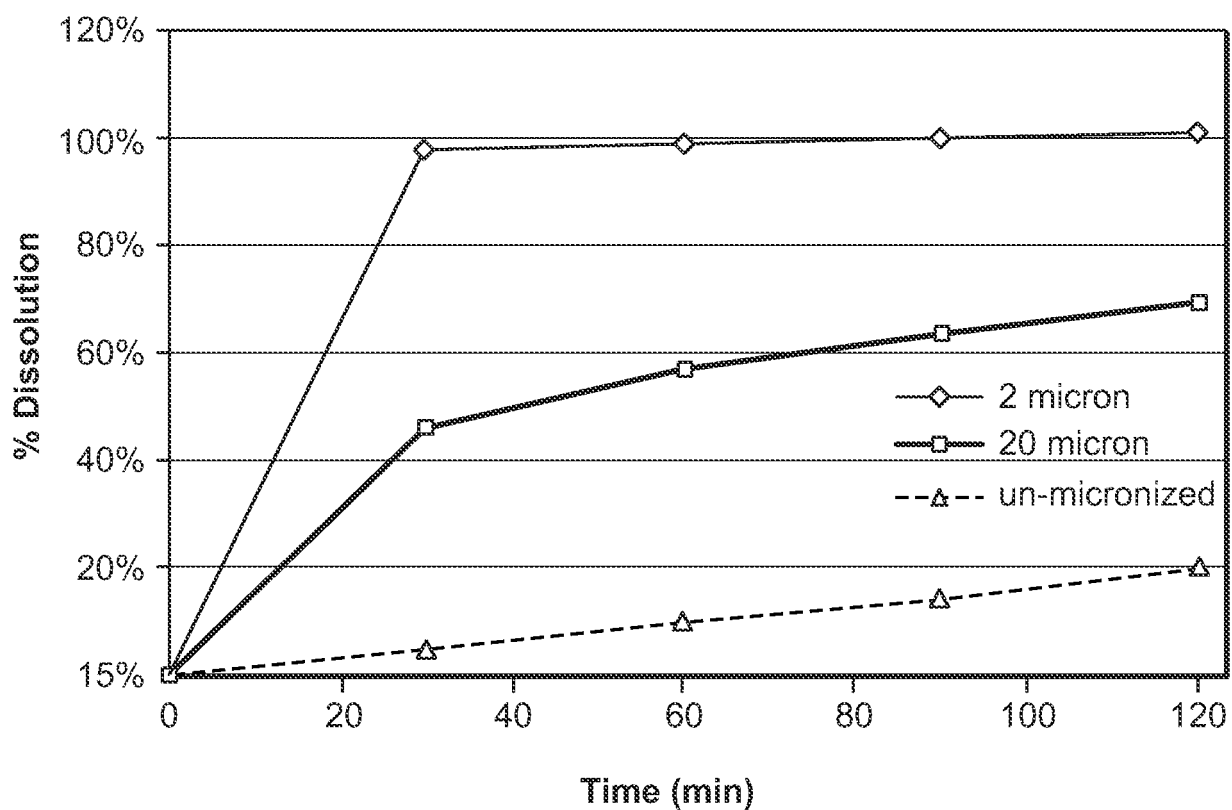


FIG. 17

20/24

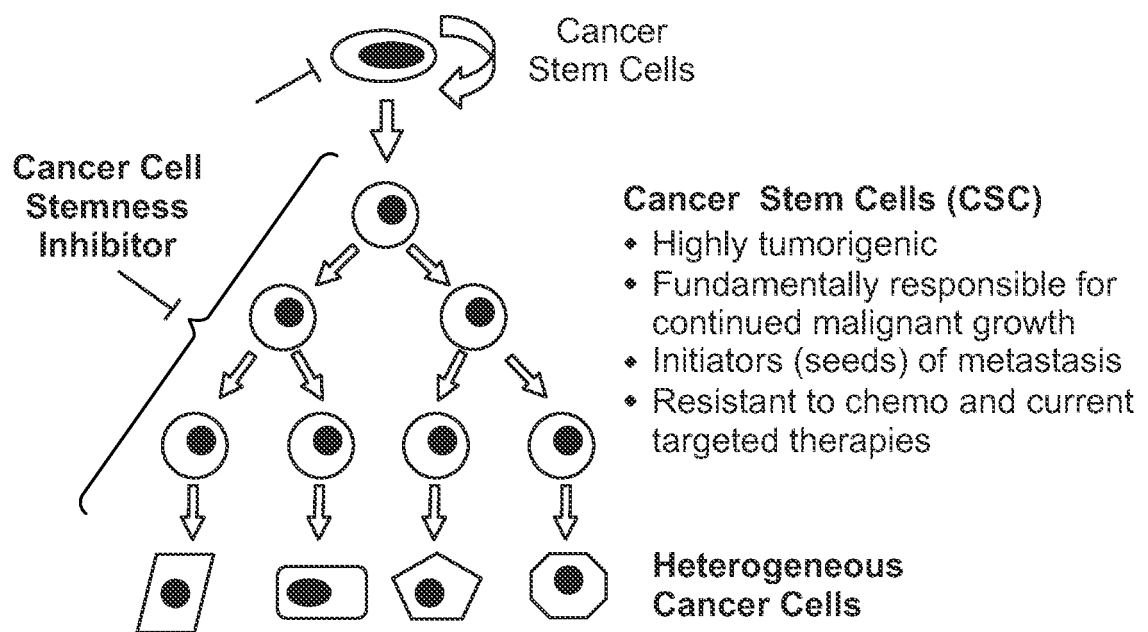


FIG. 18

21/24

After 4 Cycles

After 2 Cycles

Baseline



FIG. 19

22/24

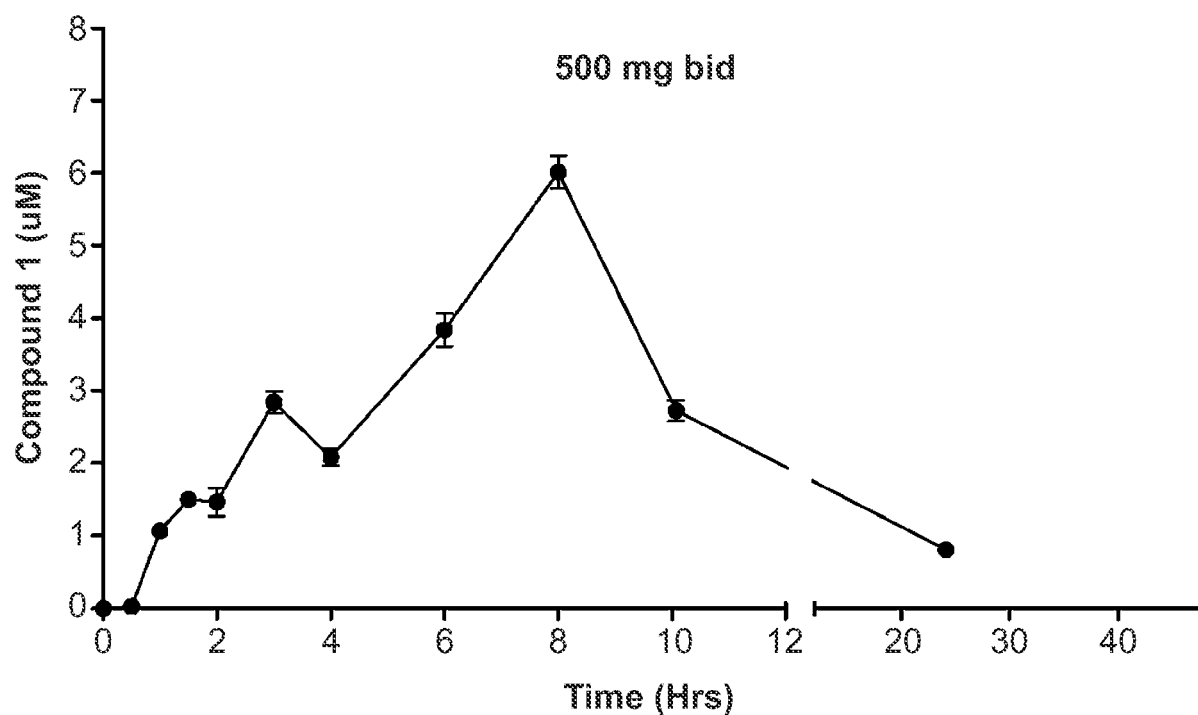


FIG. 20

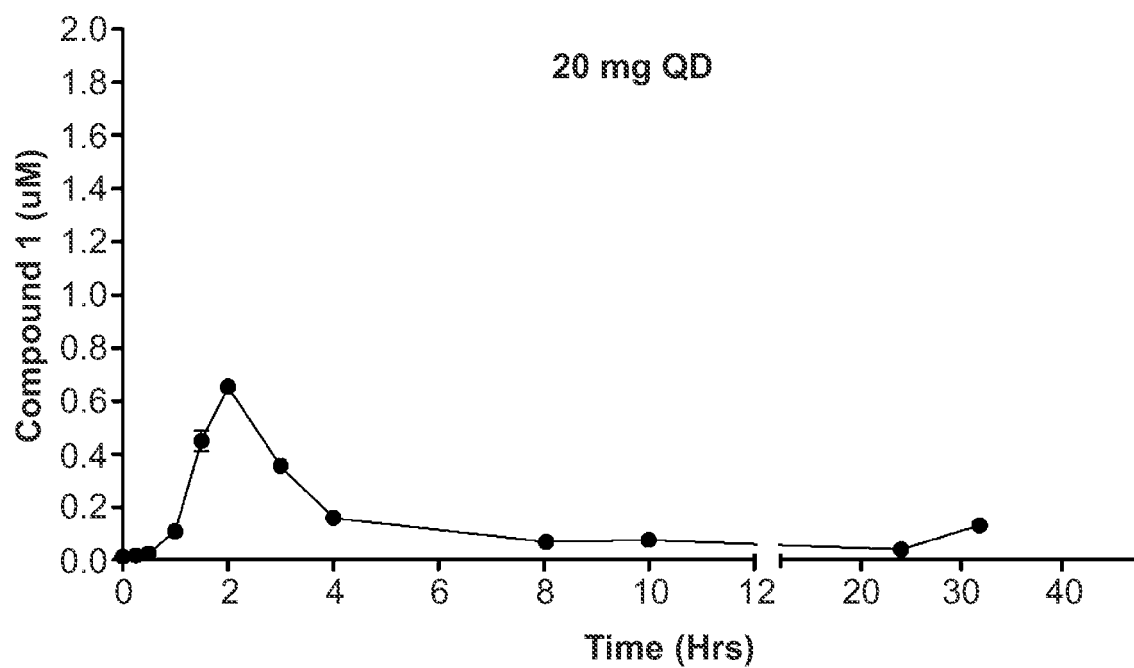


FIG. 21

FIG. 22

23/24

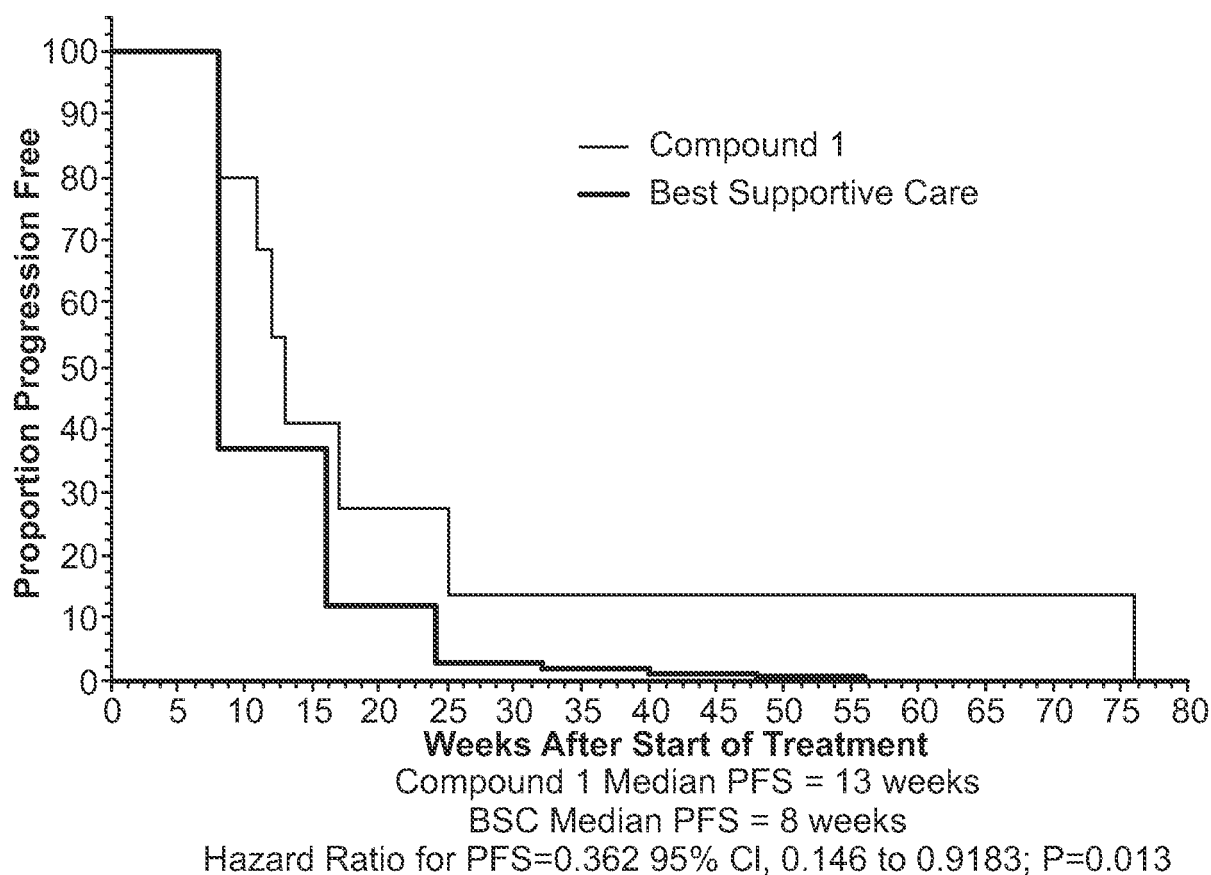
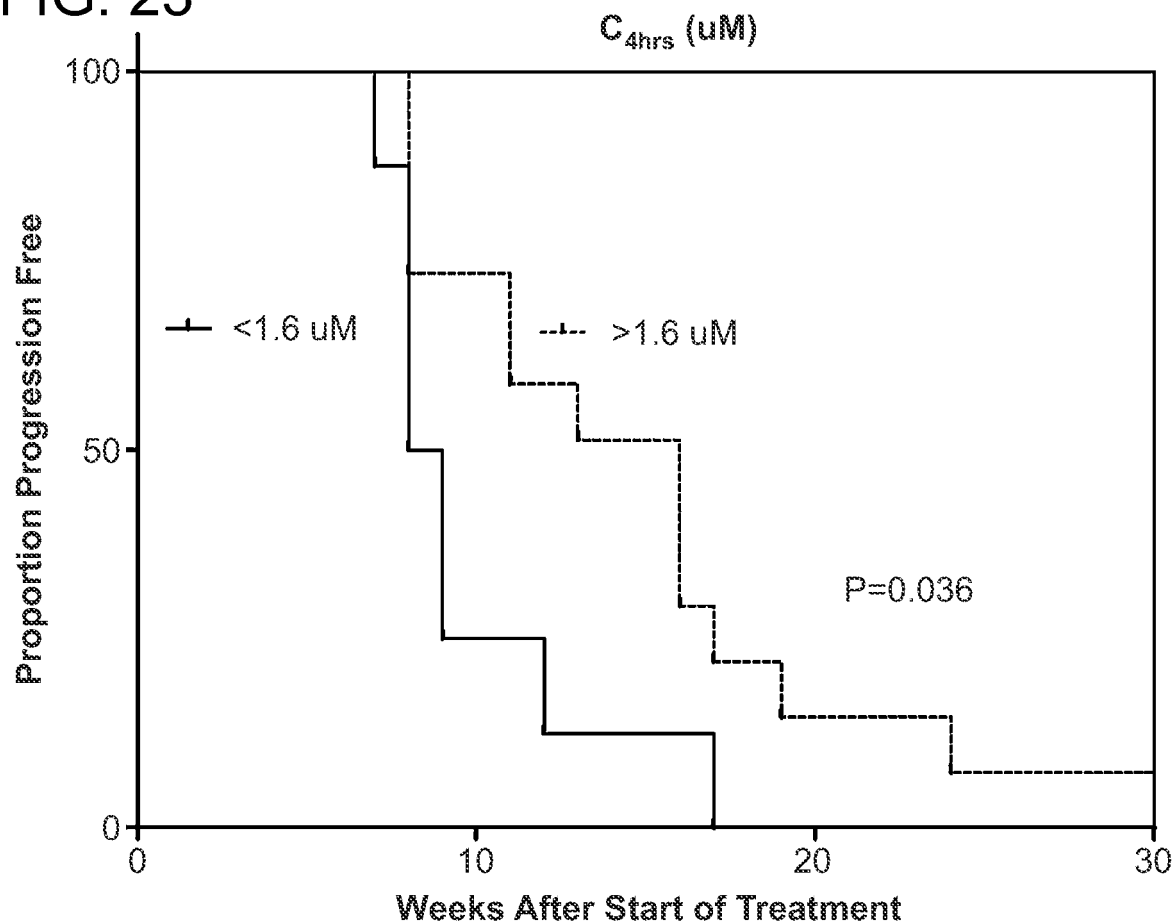


FIG. 23



24/24

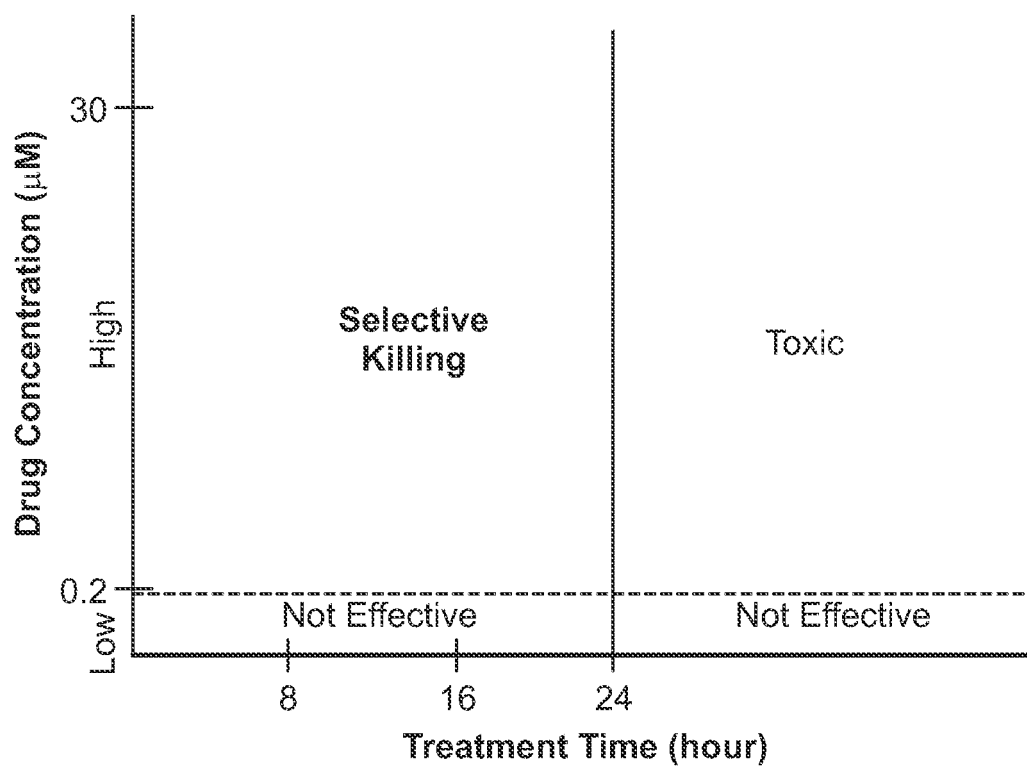


FIG. 24

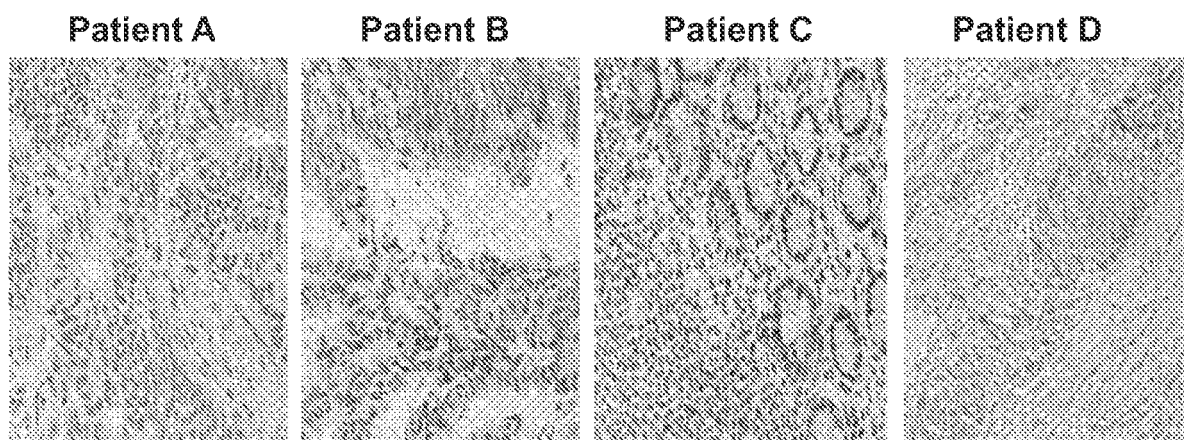


FIG. 25