

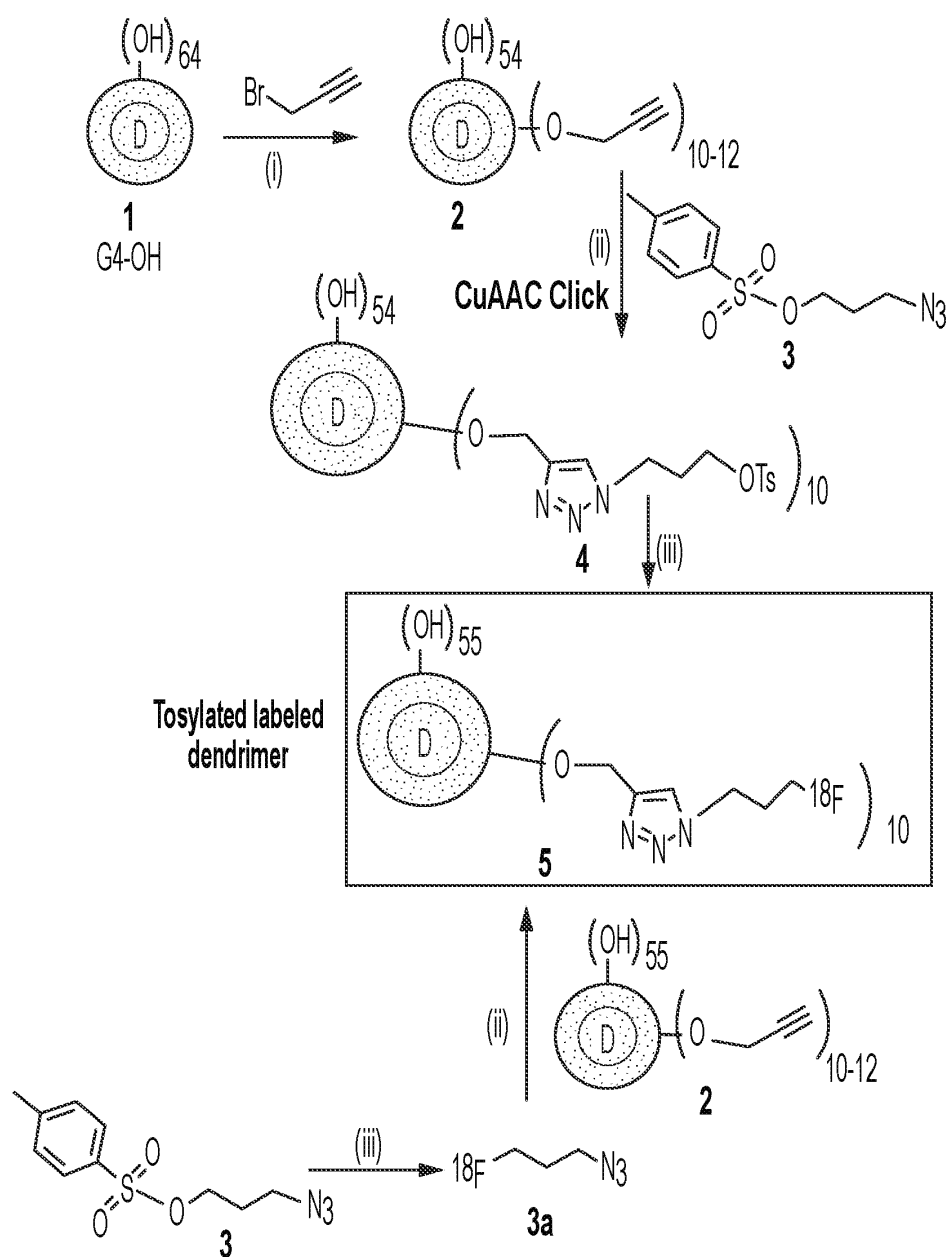


FIG. 1

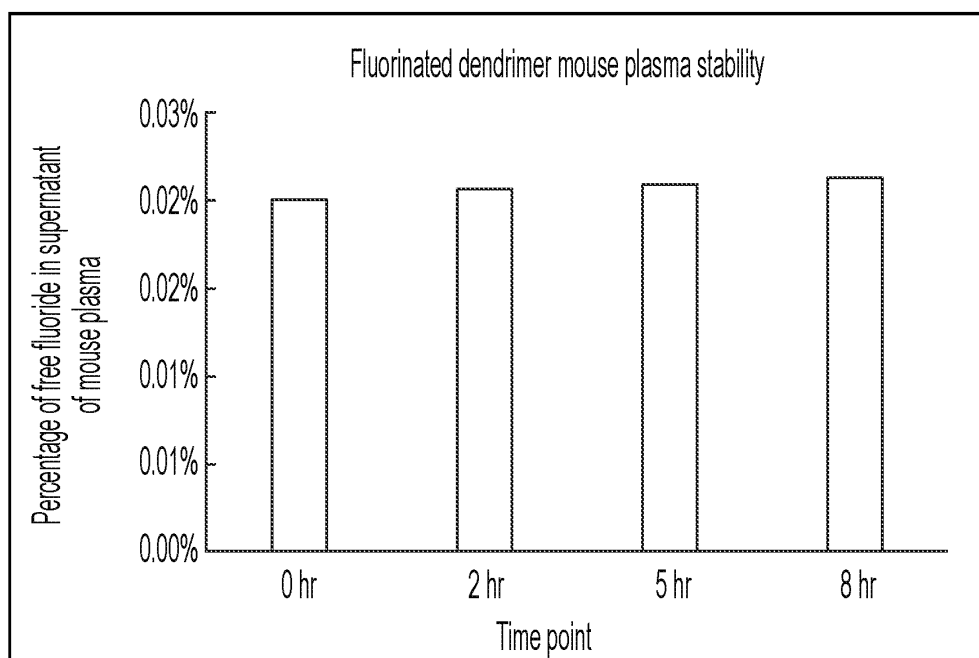


FIG. 2

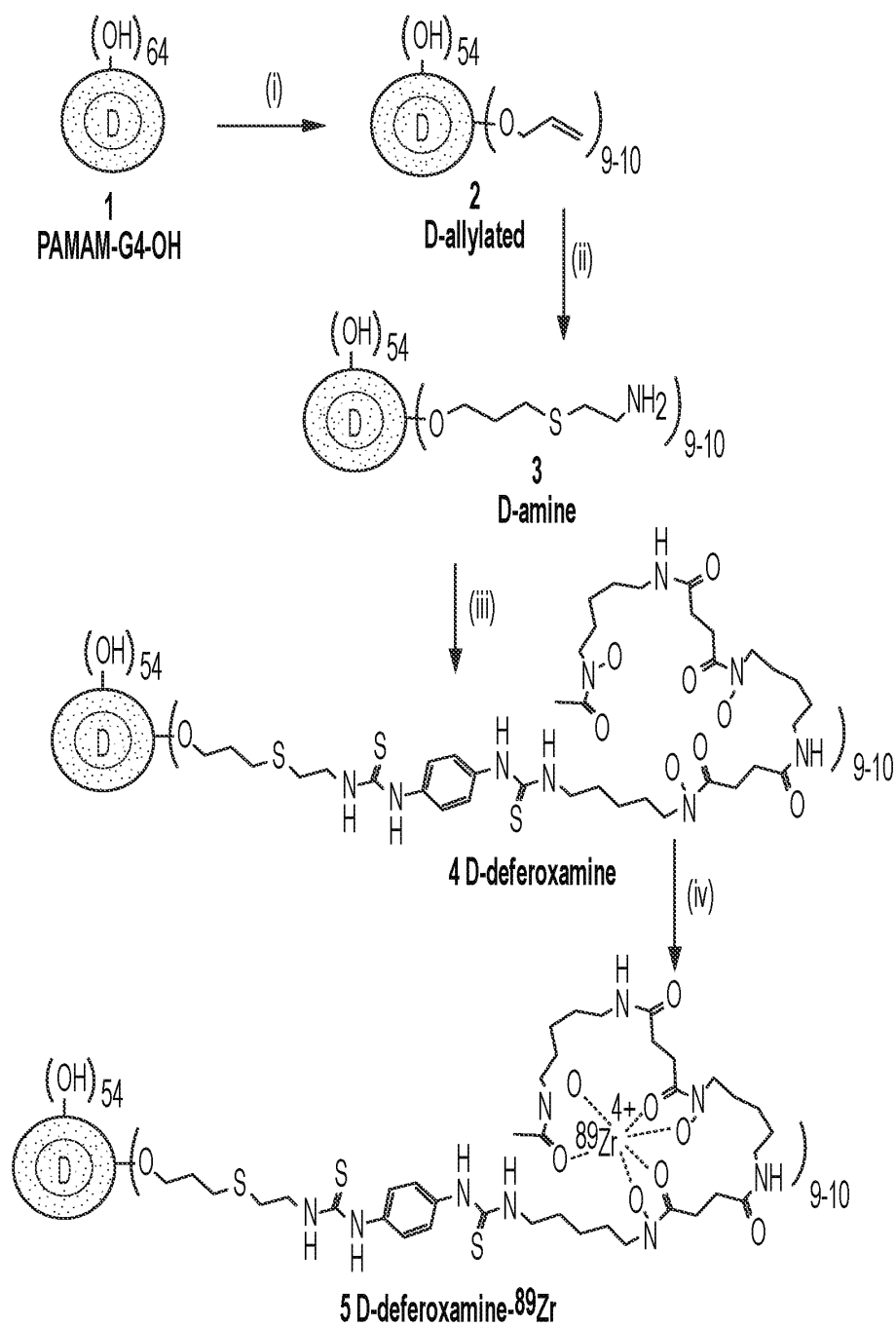


FIG. 3

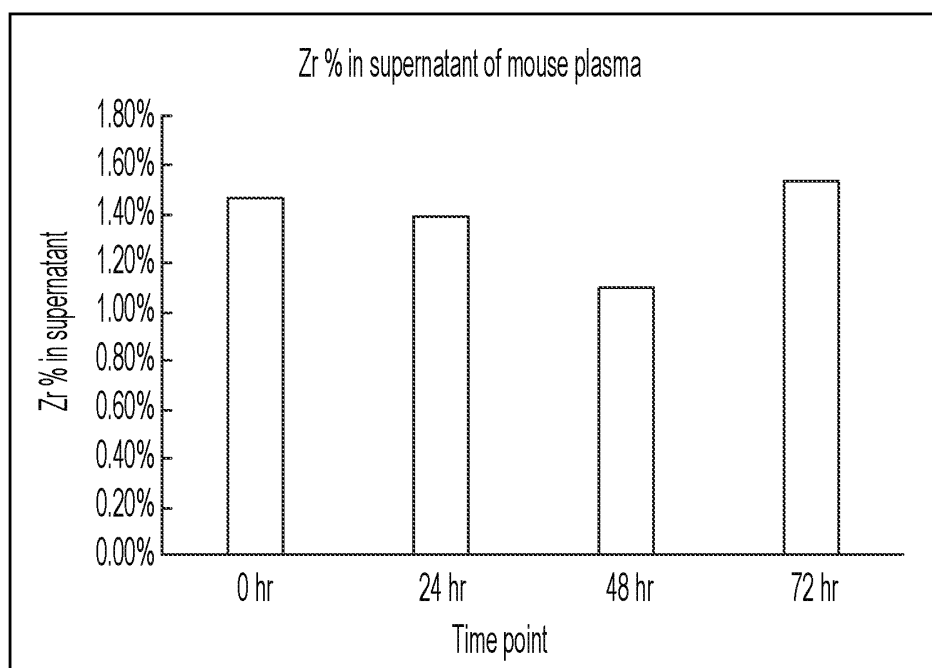


FIG. 4

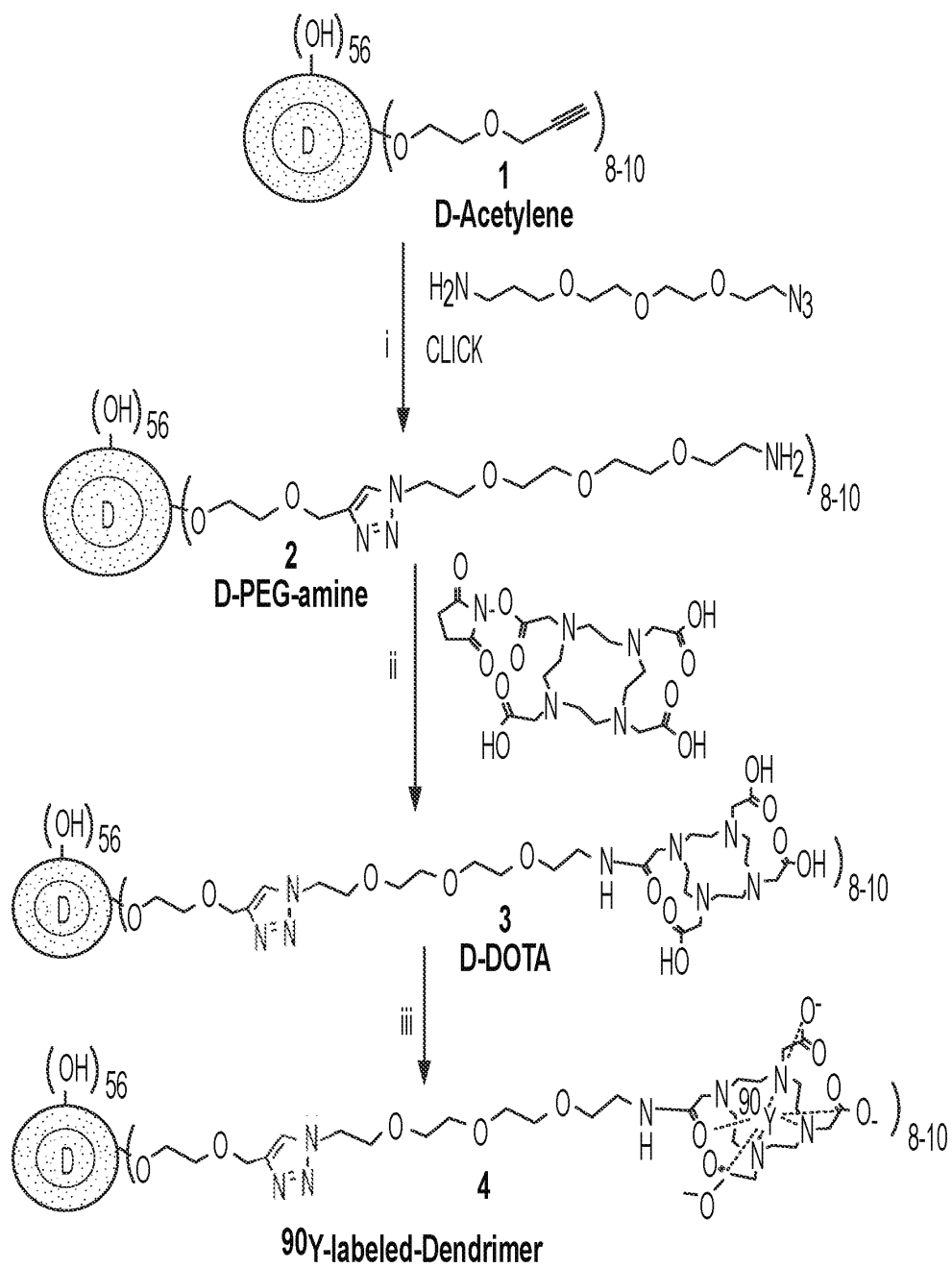


FIG. 5

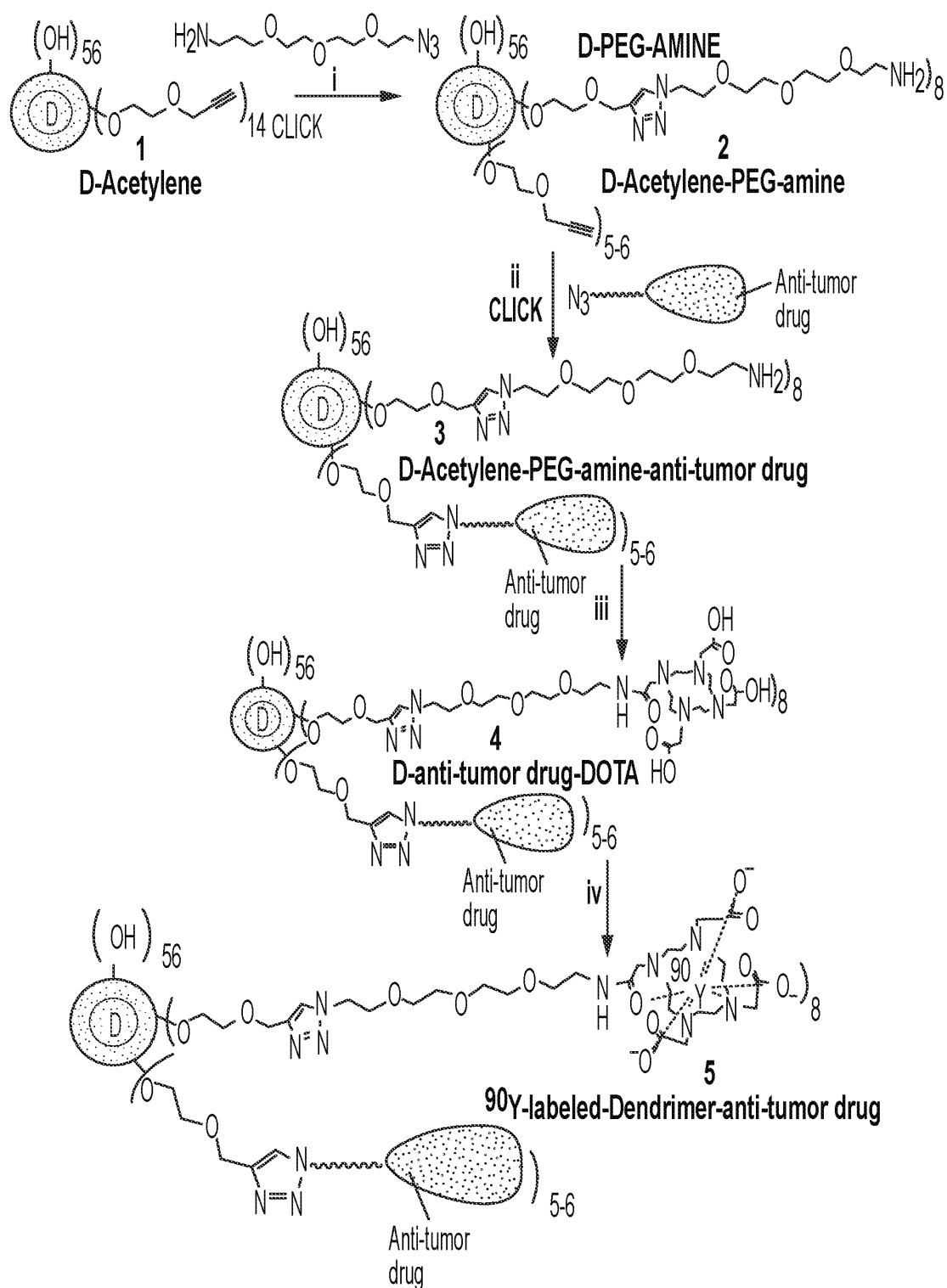


FIG. 6

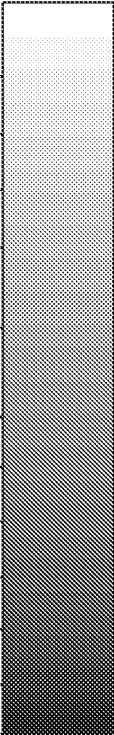
Animal Model	Degree of BBB Impairment		
Alzheimer's (P301S/3x, 5xFAD Tg mice - oral & IV dosing)	Minimal		
Rett Syndrome (KO mouse)			
ALS (SOD1 mouse)			
Parkinson's disease (6-OHDA rat)			
Necrotizing enterocolitis-induced brain injury (mouse)			
Hypothermic cardiac arrest-induced brain injury (dog)			
TB meningitis (rabbit)			
Neo-natal hypoxic ischemia (mouse)			
Optic nerve injury (monkey)			
EAE- MS model (mouse)			
Glioblastoma (rat/mouse)			
Traumatic brain injury Rabbit	Extreme		

FIG. 7A

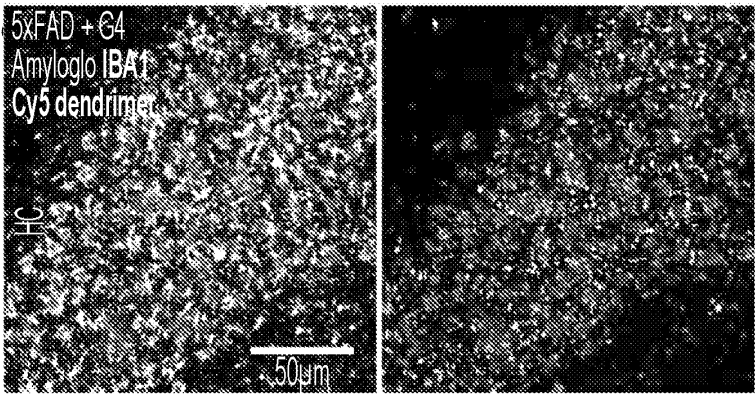


FIG. 7B

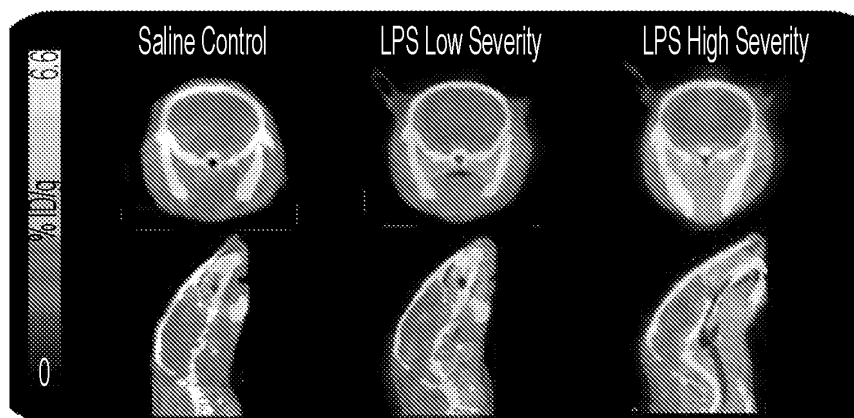


FIG. 7C

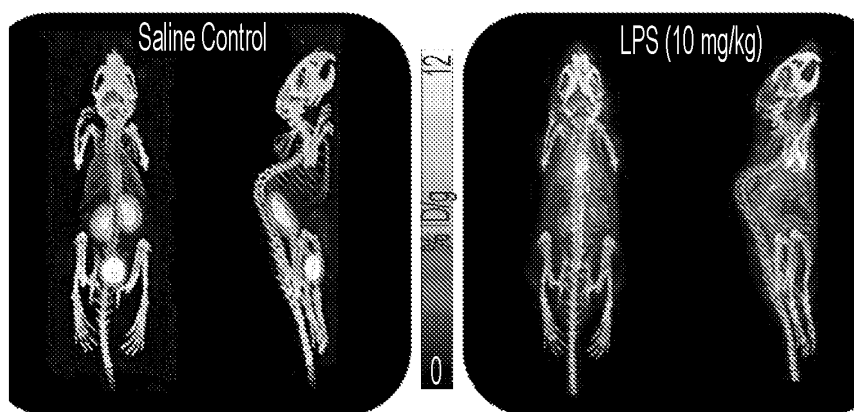


FIG. 7D

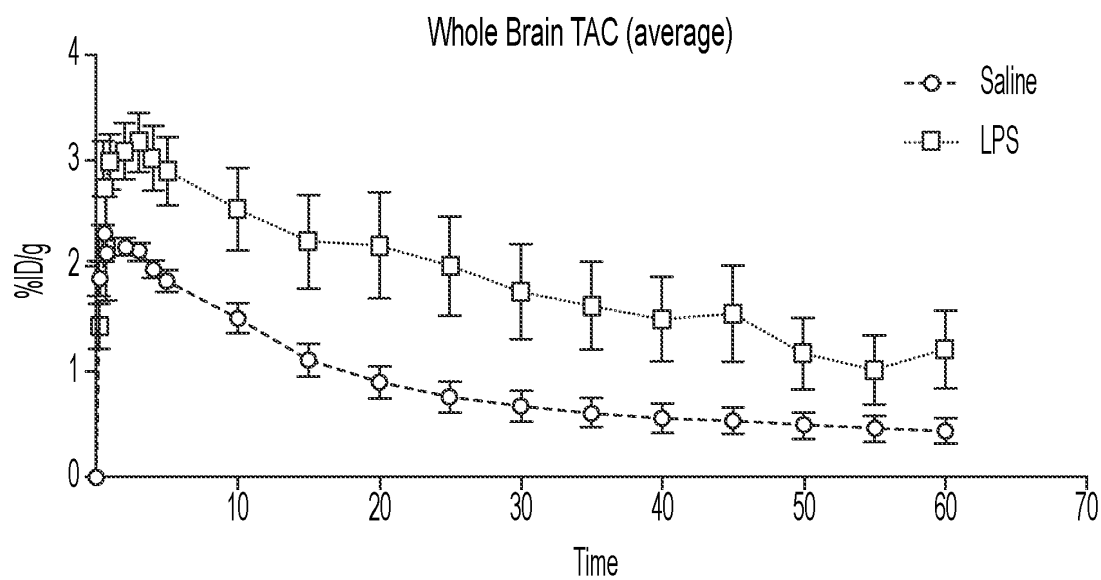


FIG. 7E

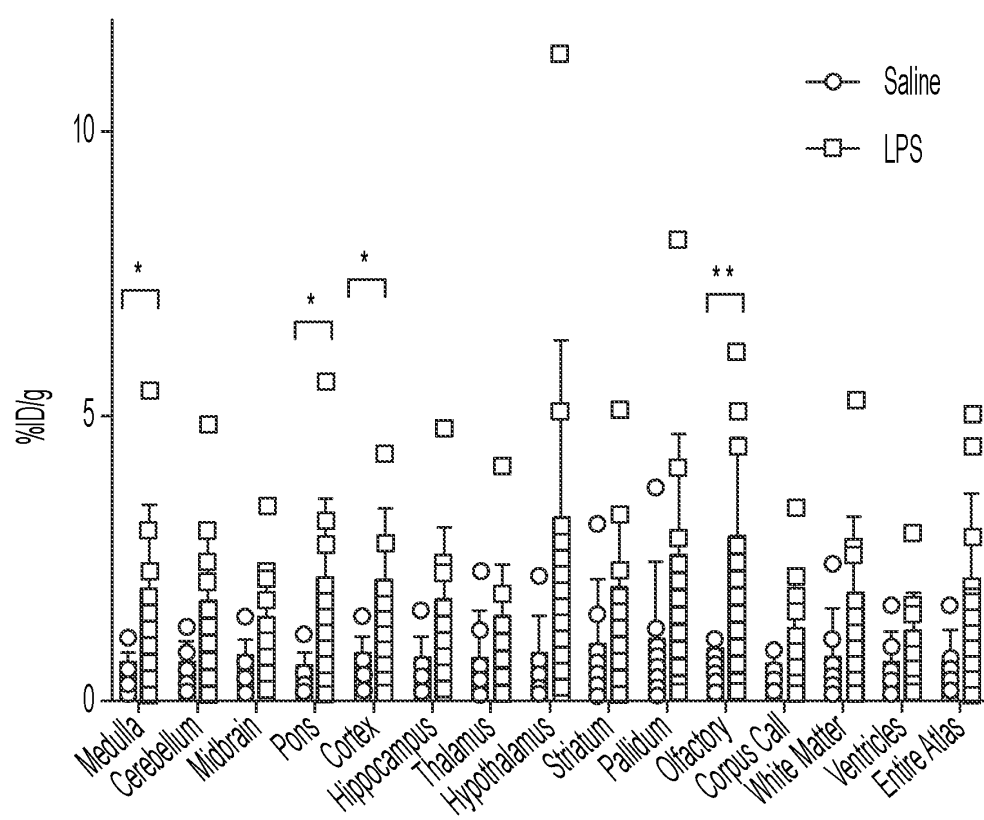


FIG. 7F

9/17

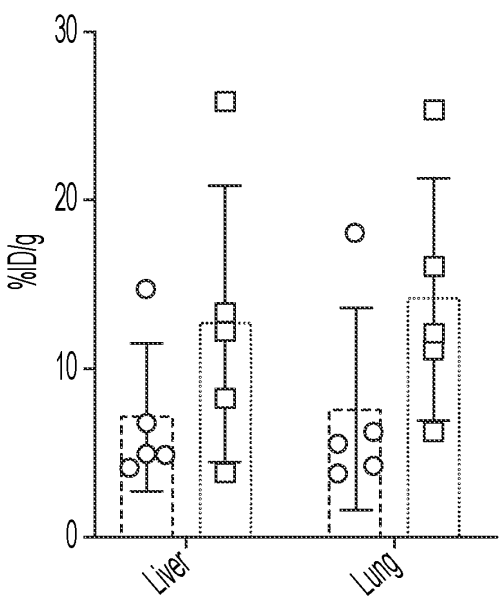


FIG. 7G

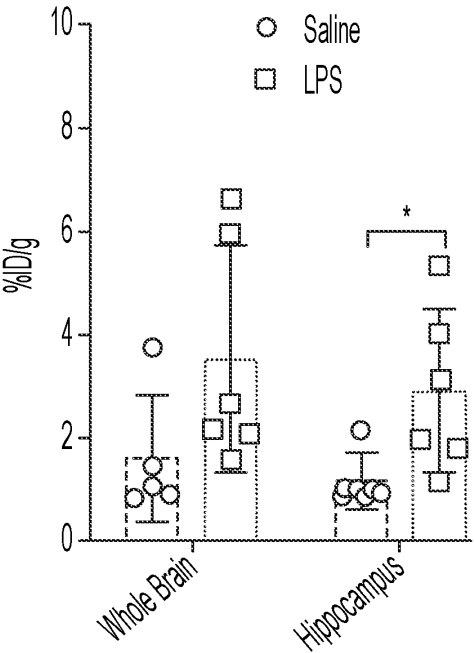


FIG. 7H

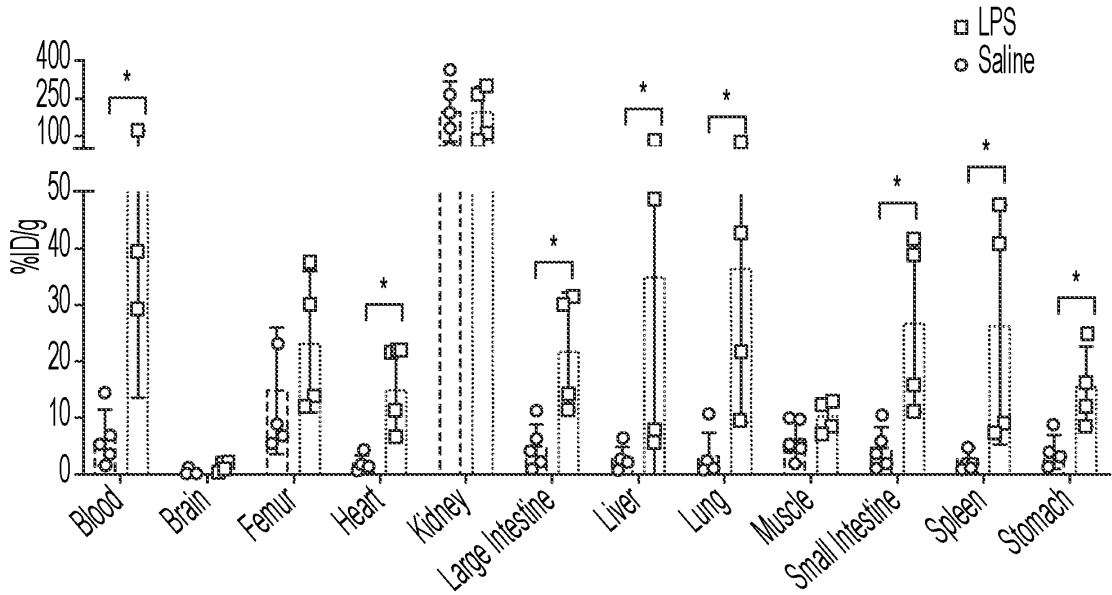


FIG. 7I

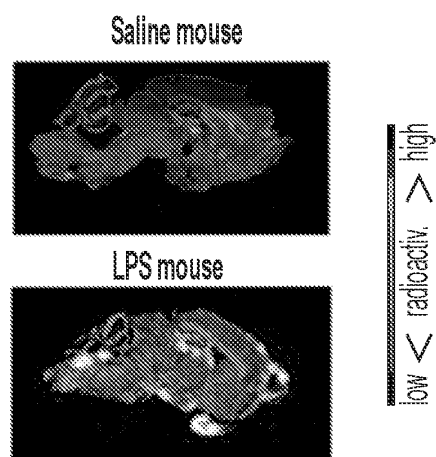


FIG. 7J

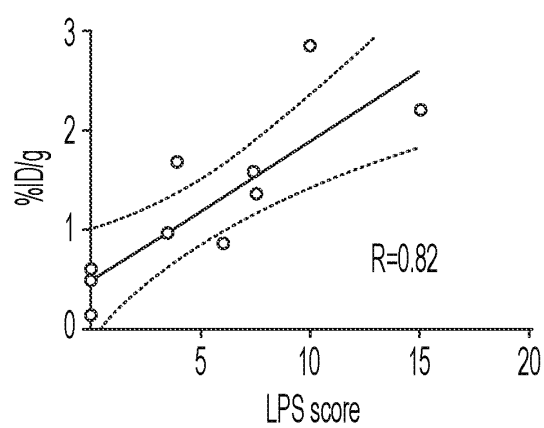


FIG. 7K

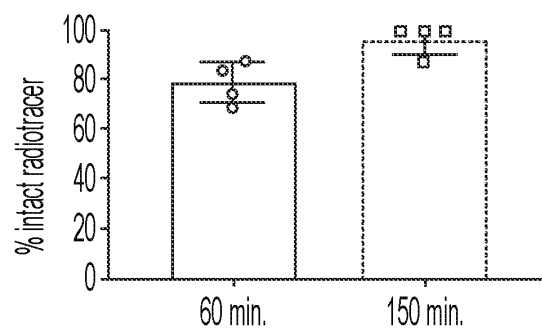


FIG. 7L

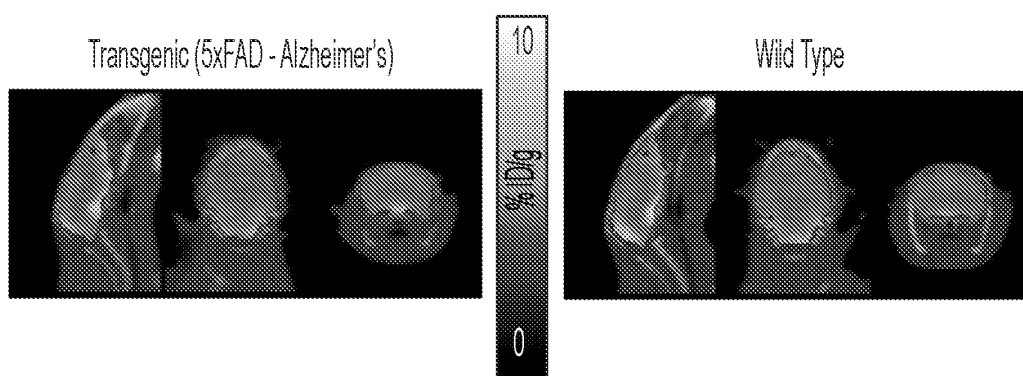


FIG. 7M

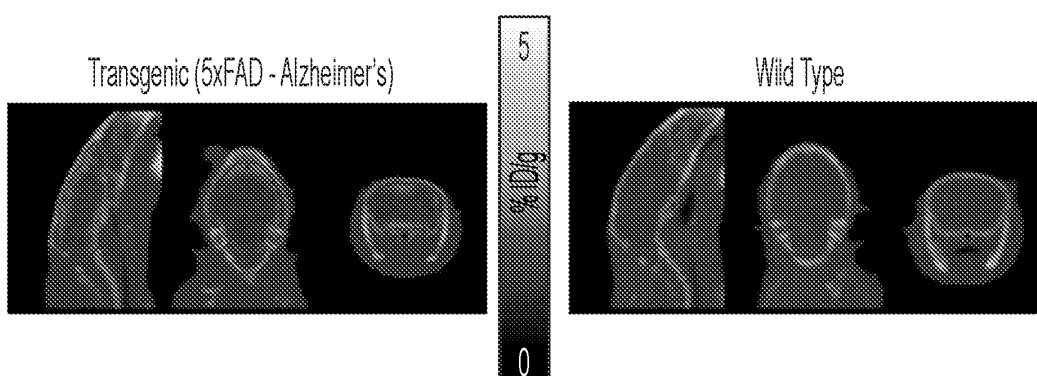


FIG. 7N

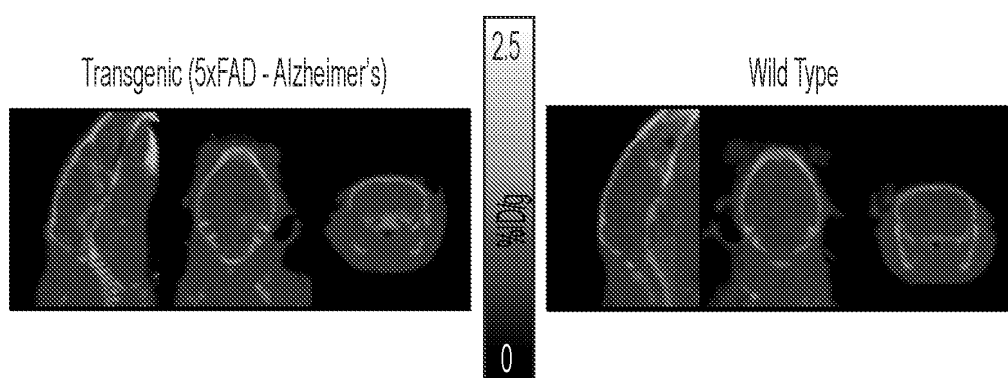


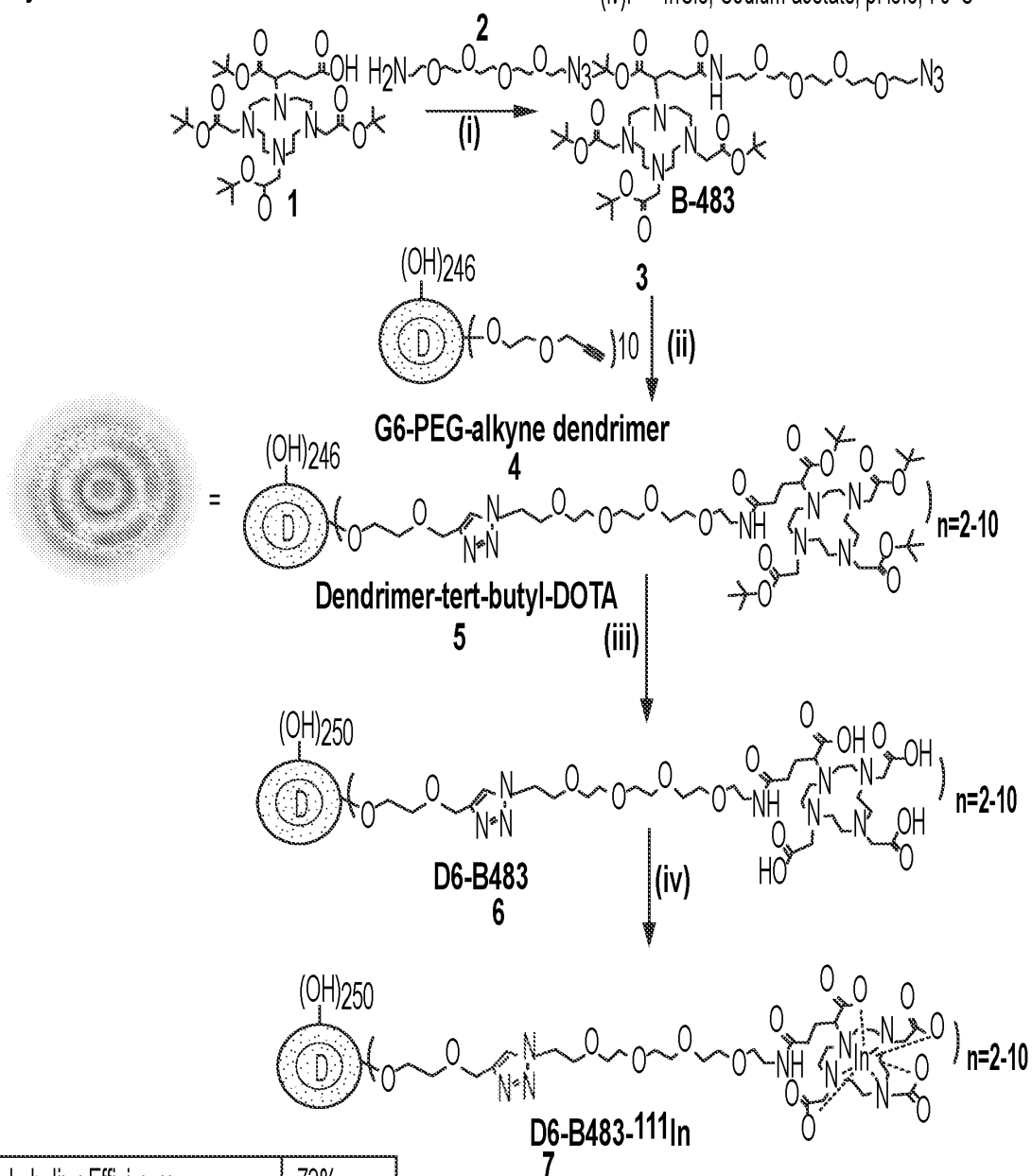
FIG. 70

Reagents & Conditions:

(i): EDC.HCl, HOBT, DIPEA, DMF, RT, overnight

(ii): CuSO₄.5H₂O, Na ascorbate, DMAc:H₂O, 8h

(iii): DCM:TFA (1:1)

(iv): ¹¹¹InCl₃, Sodium acetate, pH5.5, 70°C**Synthesis of D6-B483**

Labeling Efficiency	73%
Radiochemical purity	96%

FIG. 8

14/17

SUBSTITUTE SHEET (RULE 26)

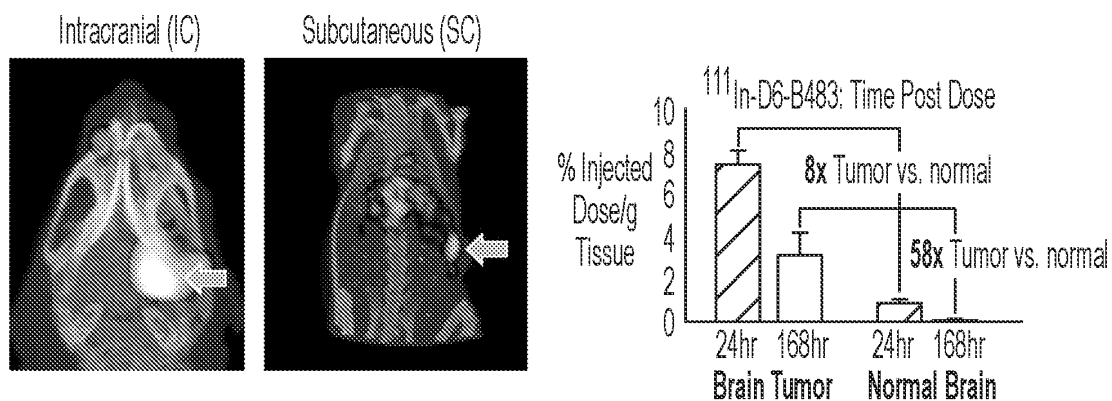


FIG. 9A

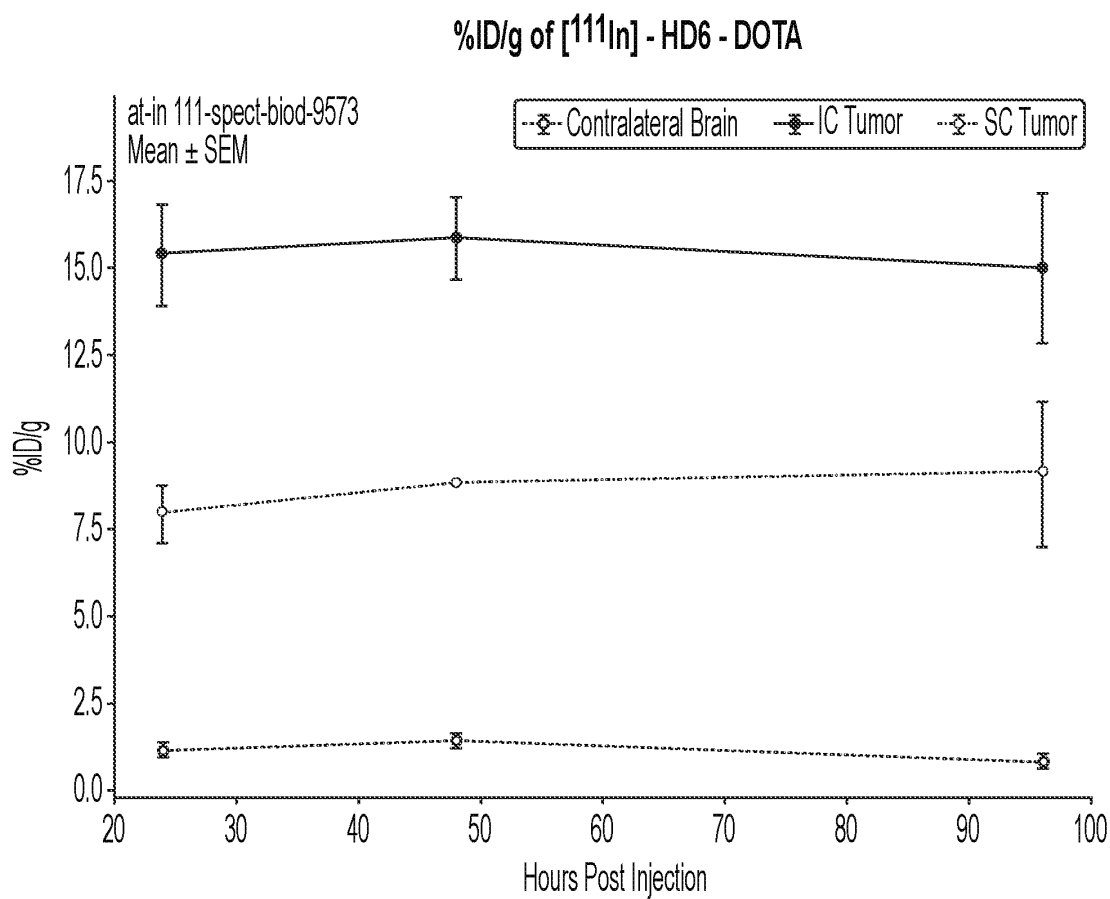


FIG. 9B

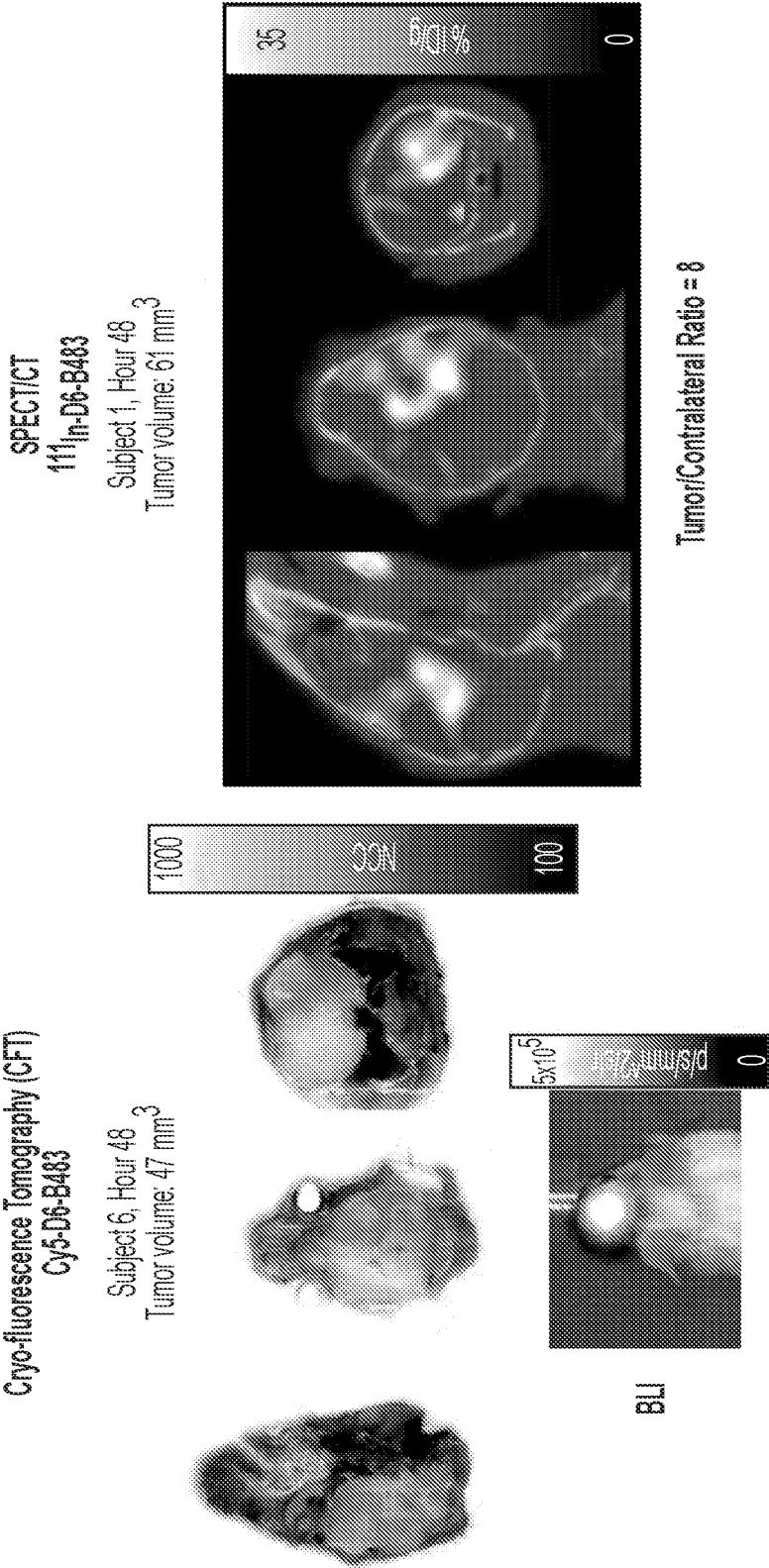


FIG. 10

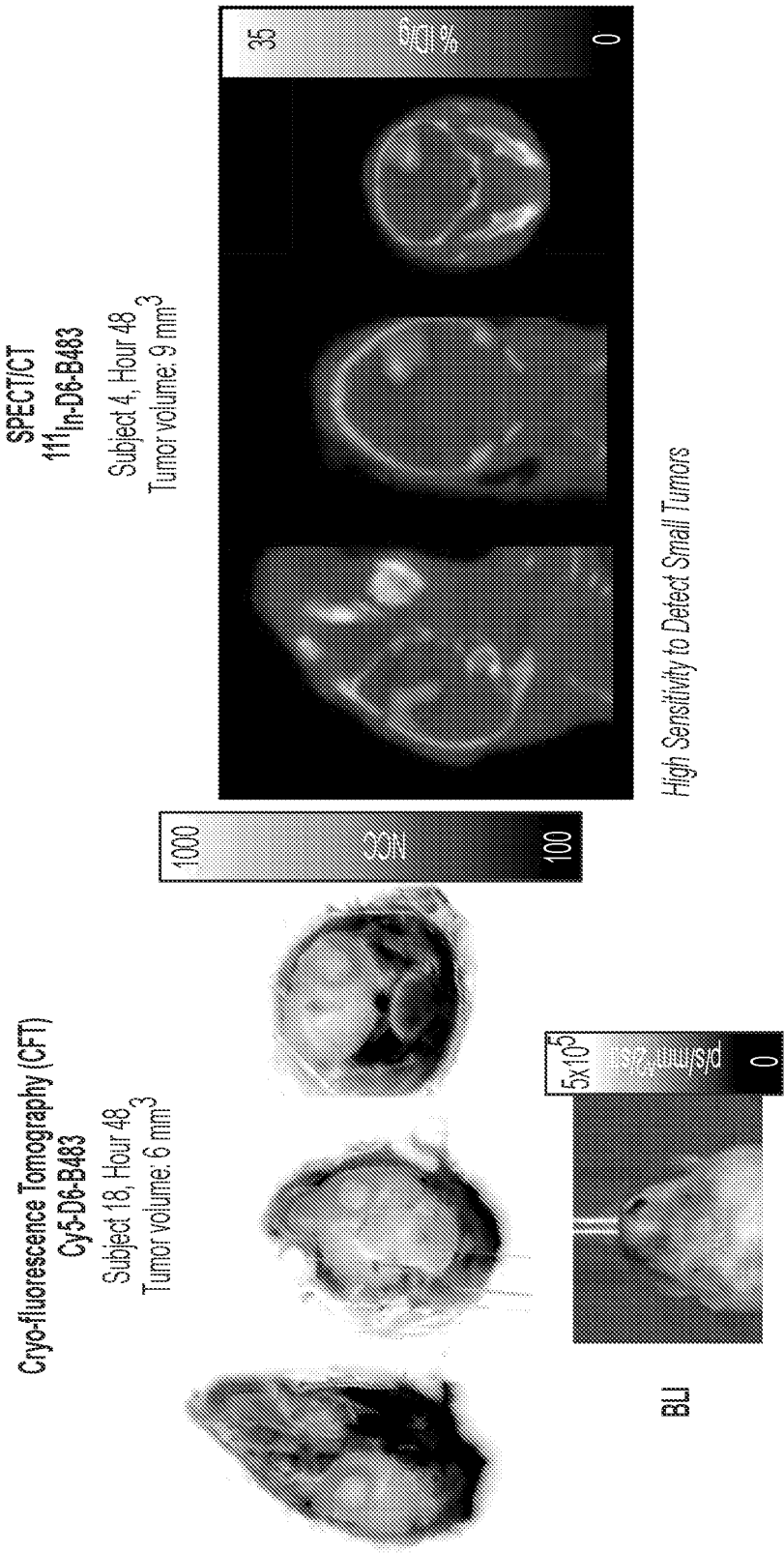


FIG. 11