

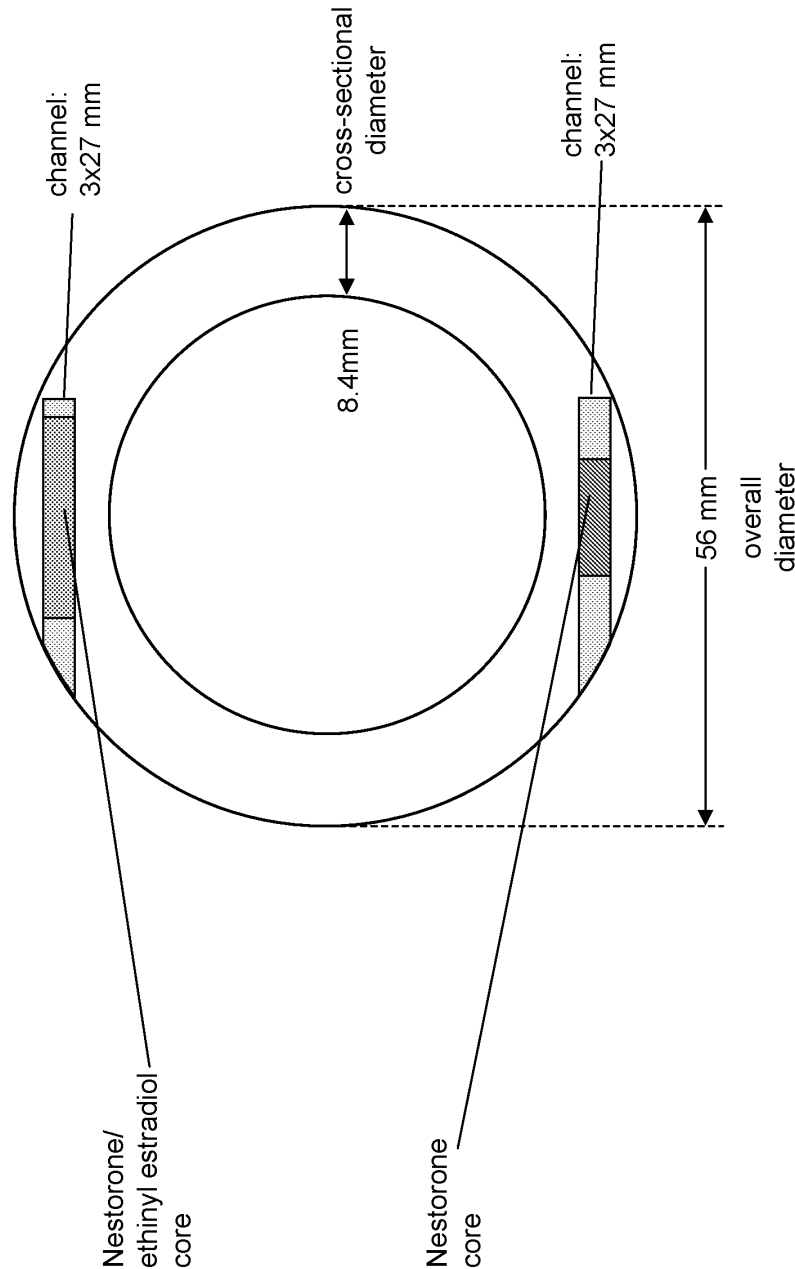


FIG. 1A

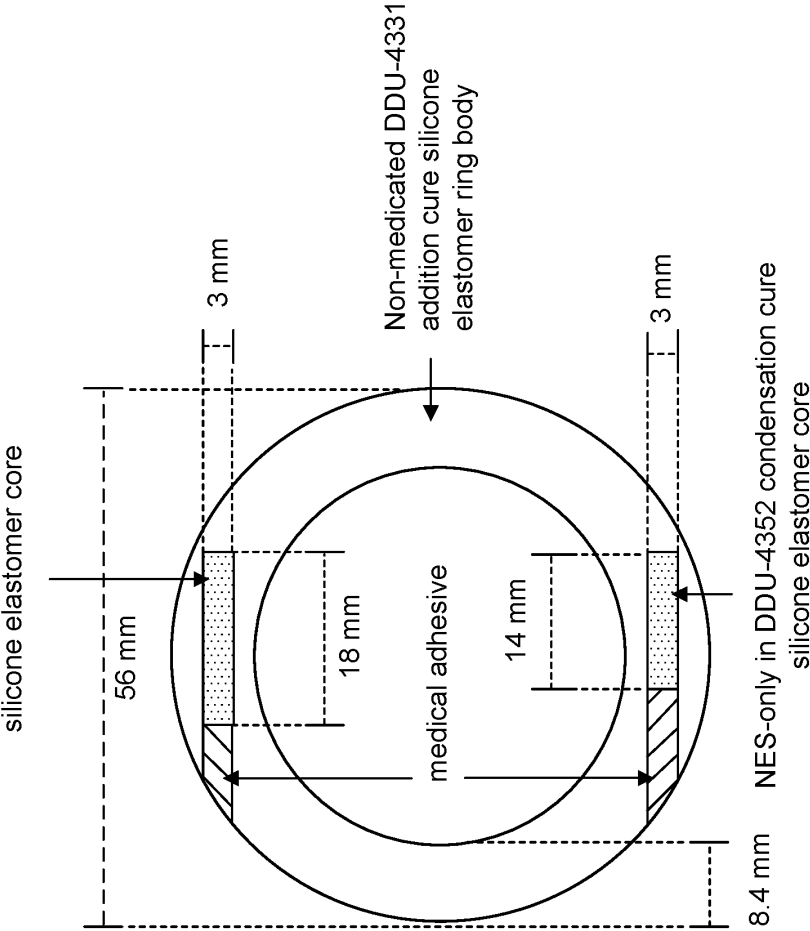
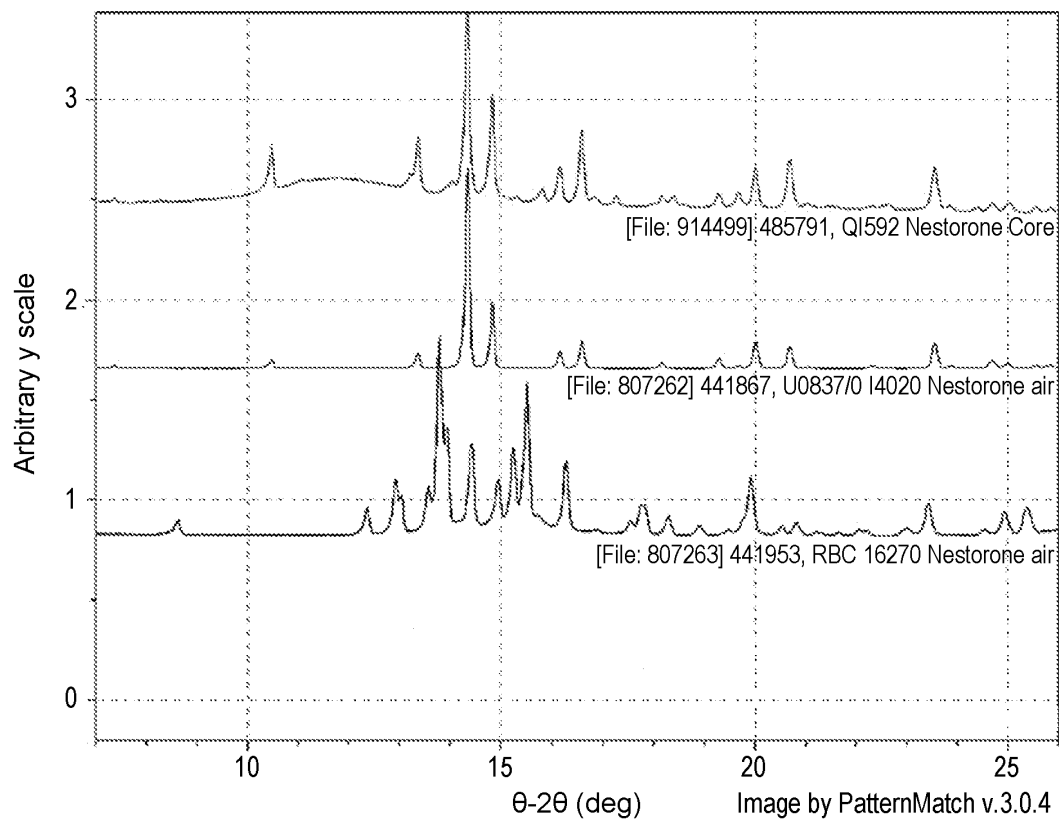


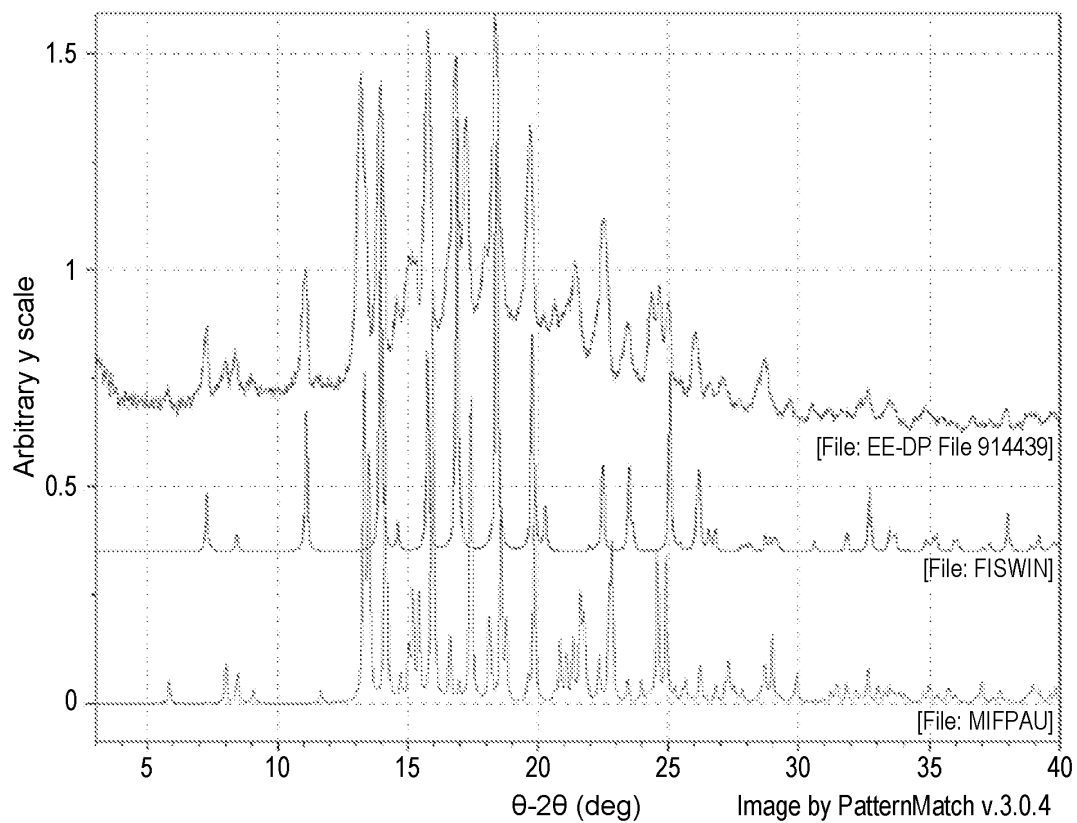
FIG. 1B



Top: Ethinyl estradiol (EE)/Nestorone® Core
Second: Nestorone Progestin (Form I), x axis truncated to 7°-26° (2 θ)
Third: Nestorone Progestin (Form II), x axis truncated to 7°-26° (2 θ)

The intensity scale (y axis) is normalized to the most intense peak for each pattern and the patterns are offset by arbitrary units.

FIG. 2



Top: Ethinyl estradiol (EE)/Nestorone® Core
Second: Ethinyl estradiol hemihydrate
Third: Ethinyl estradiol, anhydrous

FIG. 3

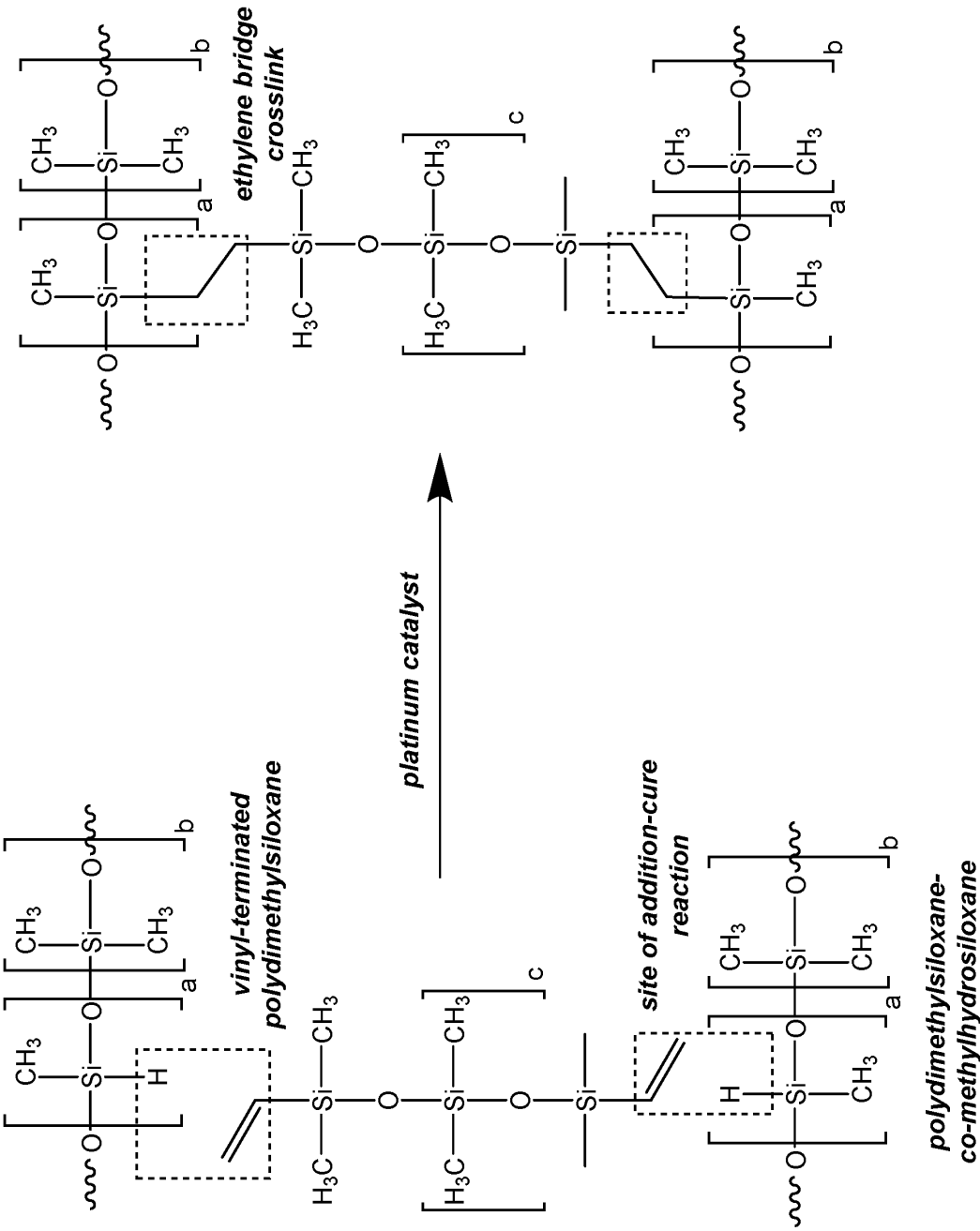


FIG. 4

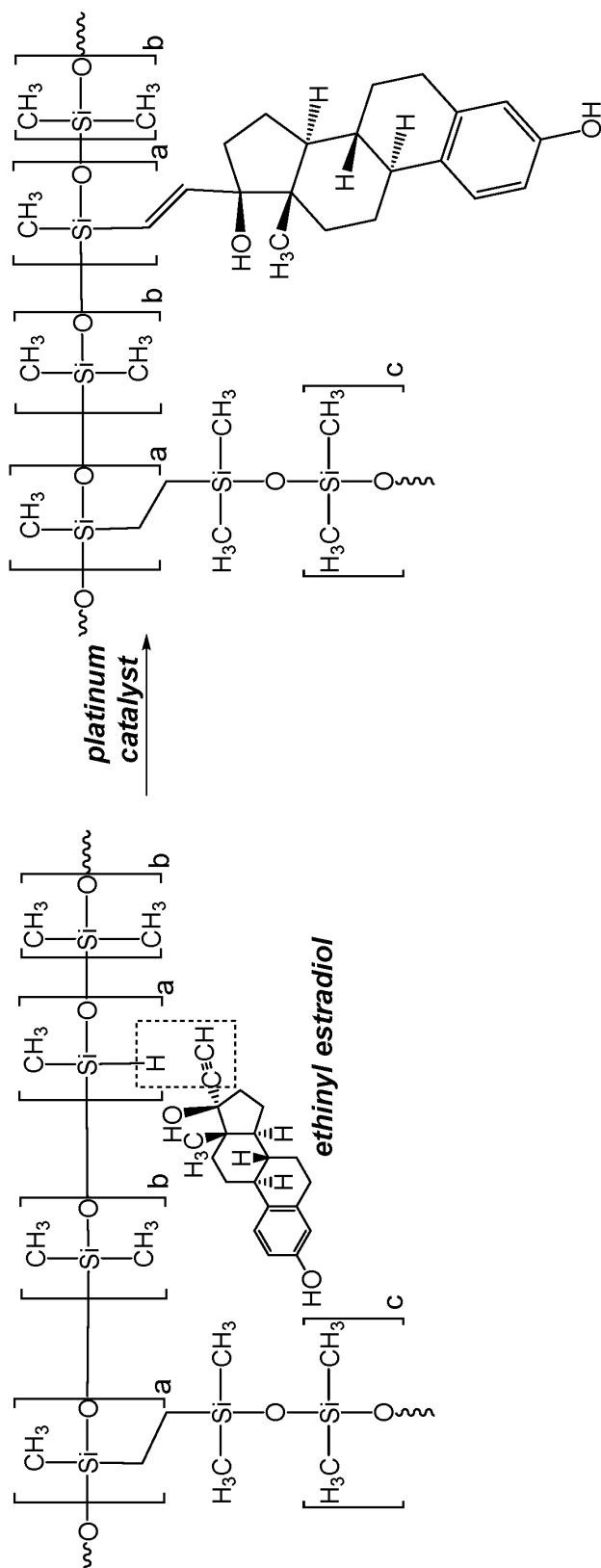


FIG. 5

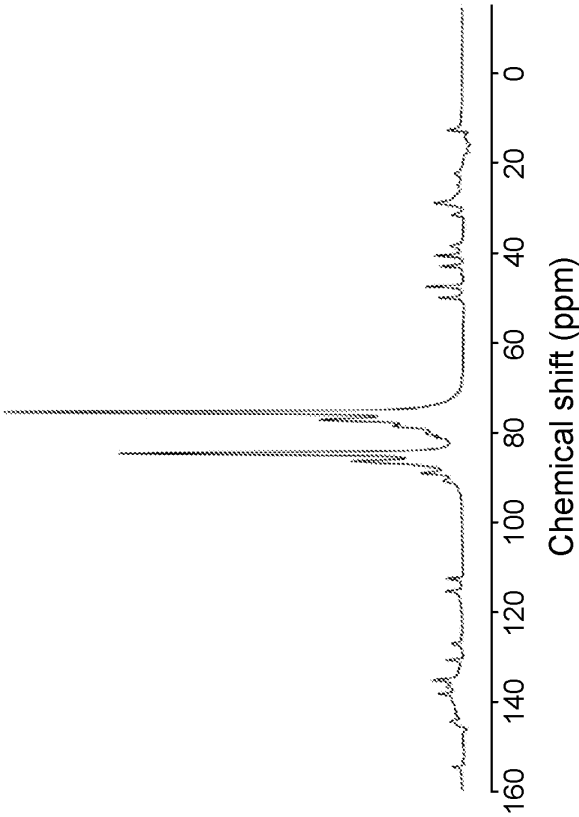


FIG. 6A

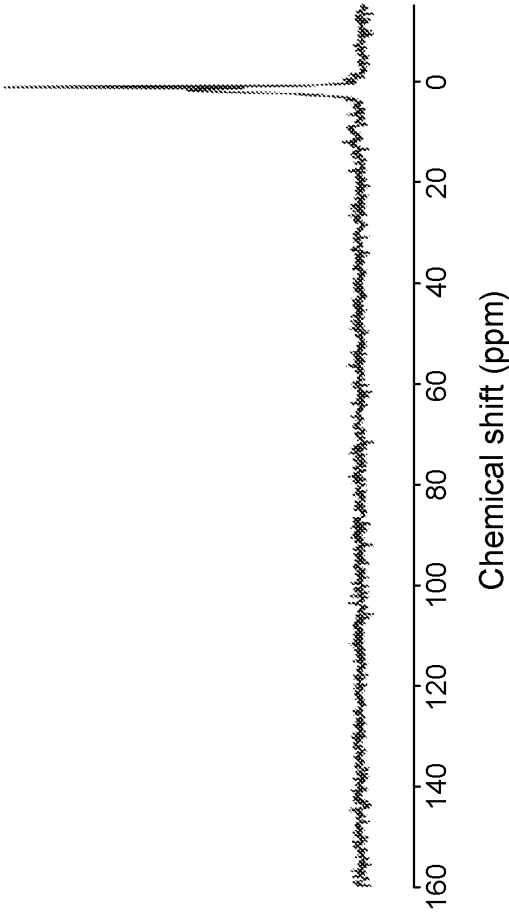


FIG. 6B

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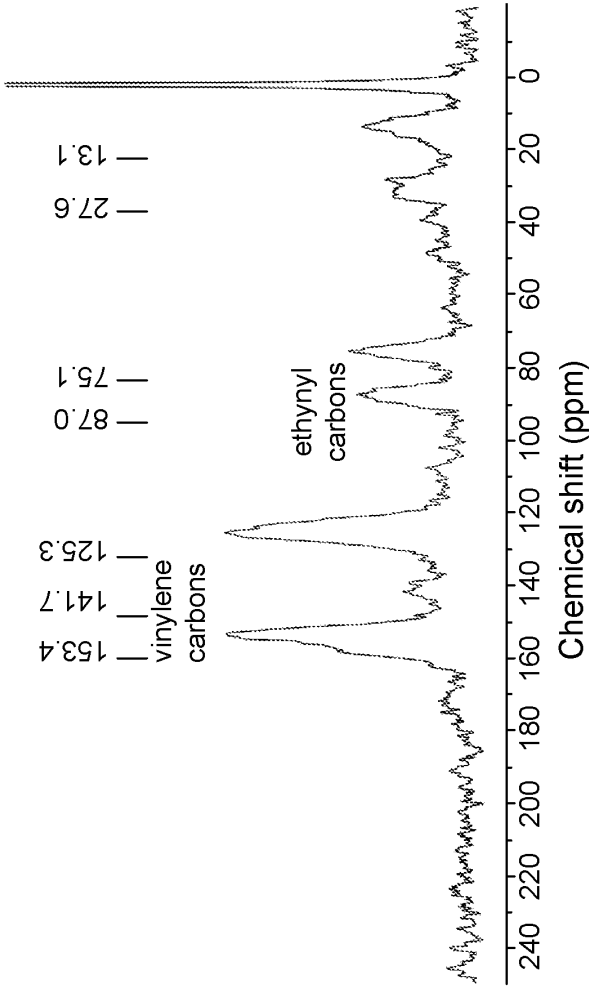


FIG. 7A

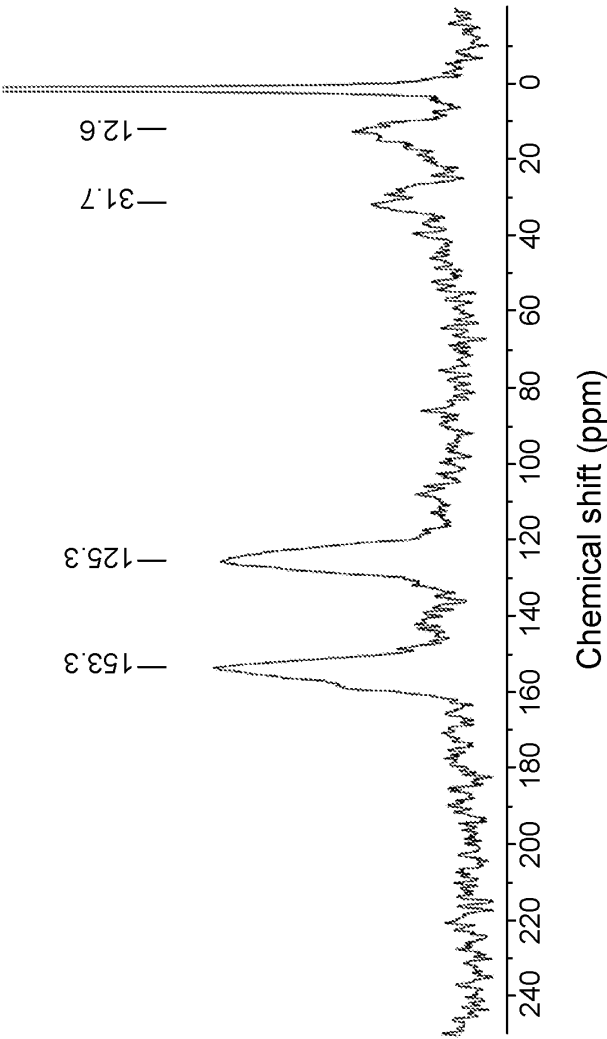


FIG. 7B

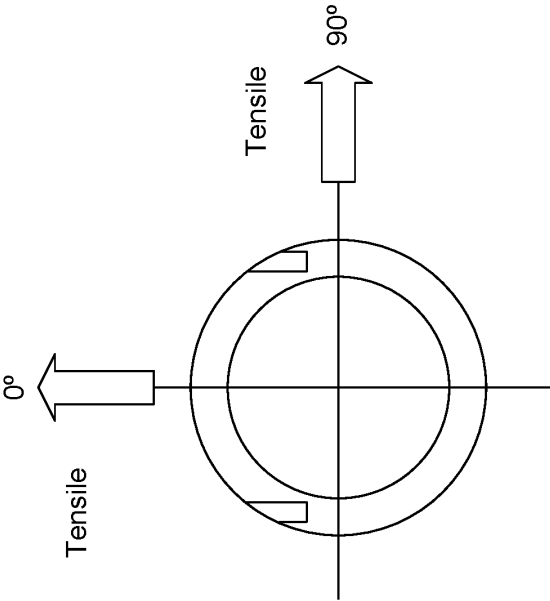


FIG. 8B

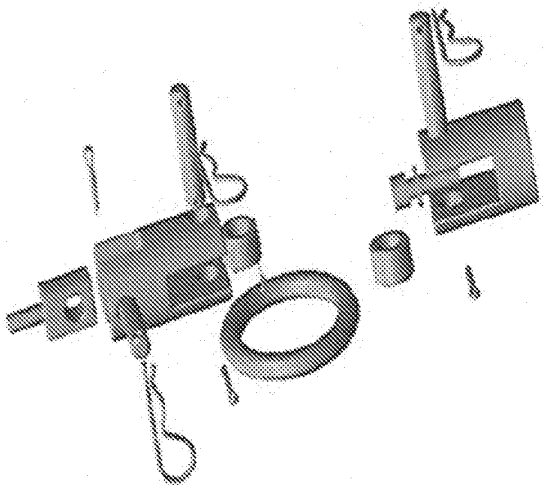


FIG. 8A

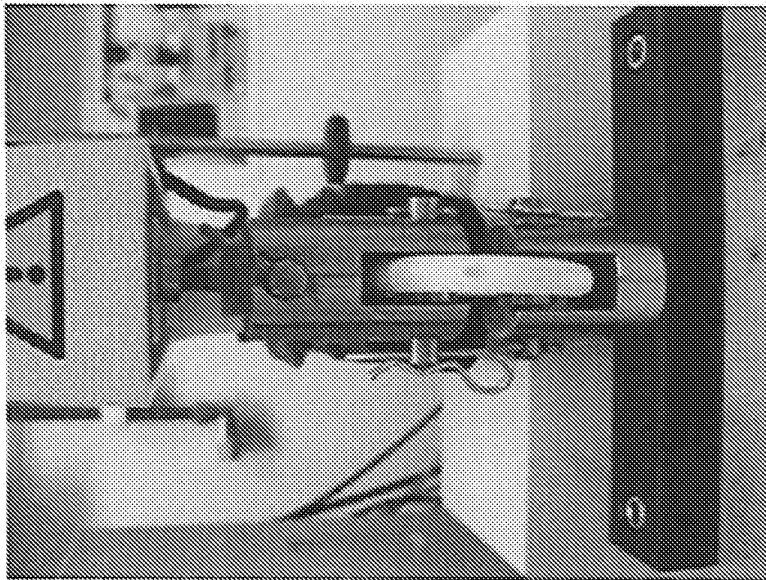


FIG. 8C

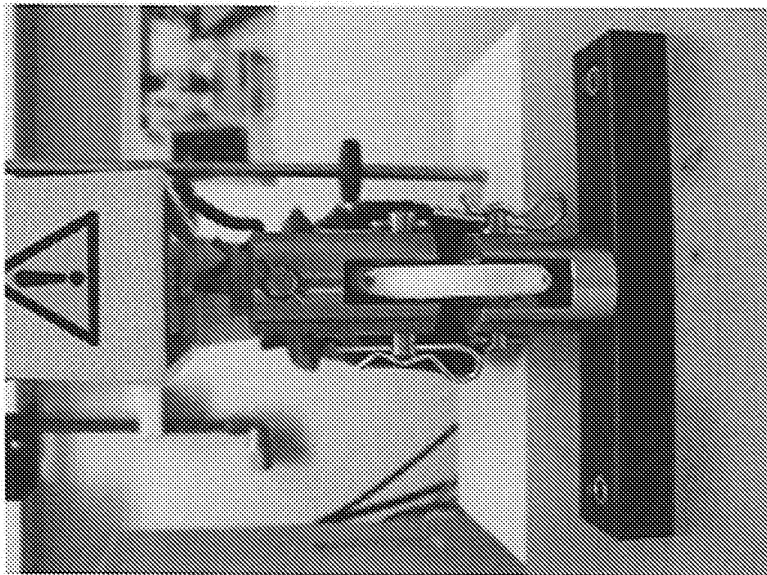


FIG. 8D

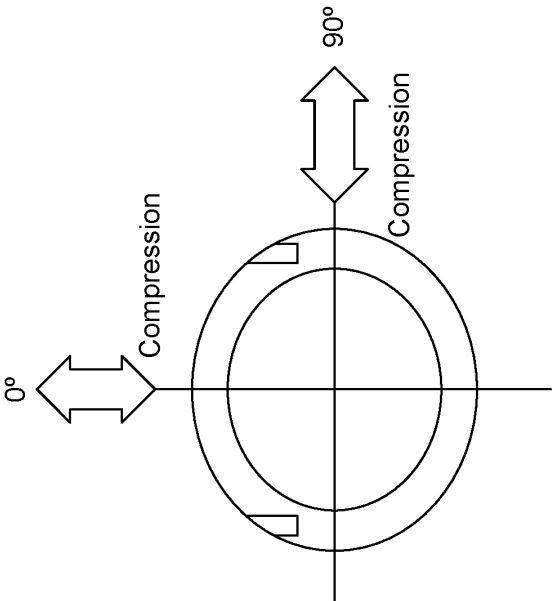


FIG. 9A

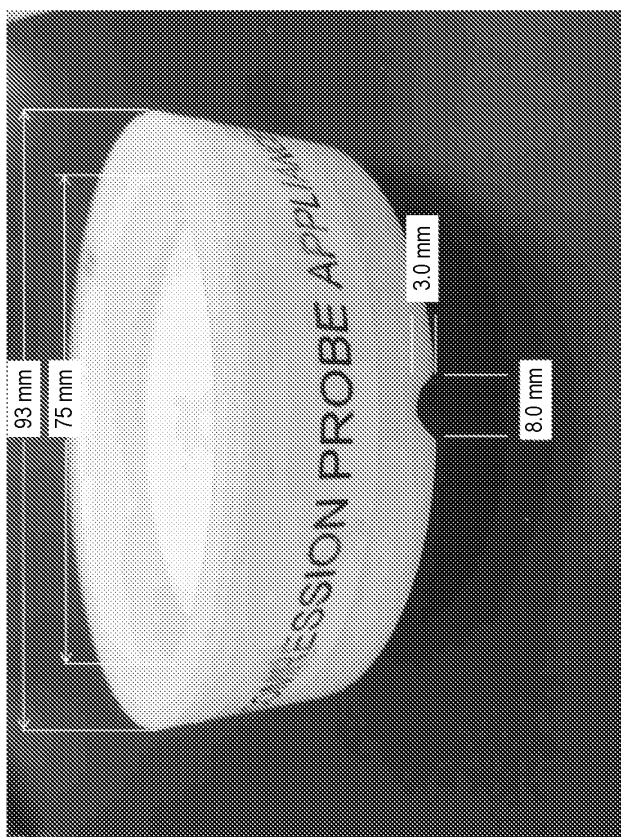


FIG. 9B

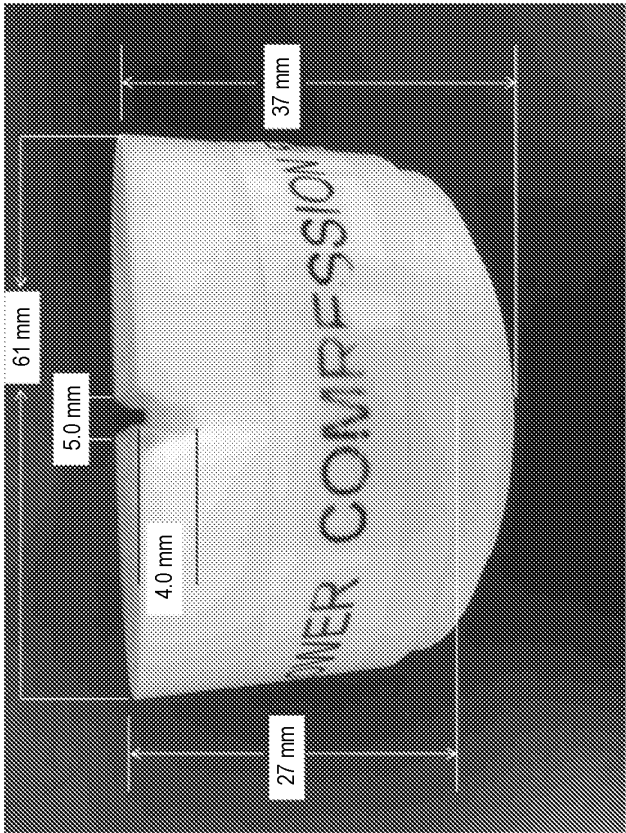


FIG. 9C



FIG. 9D

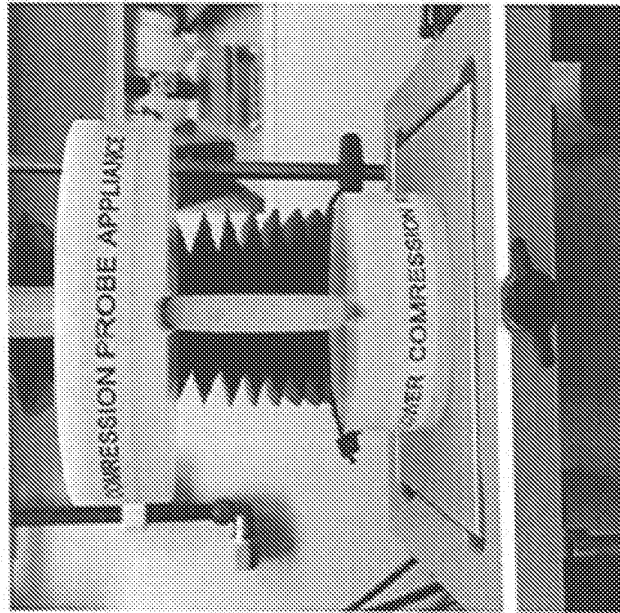


FIG. 9E

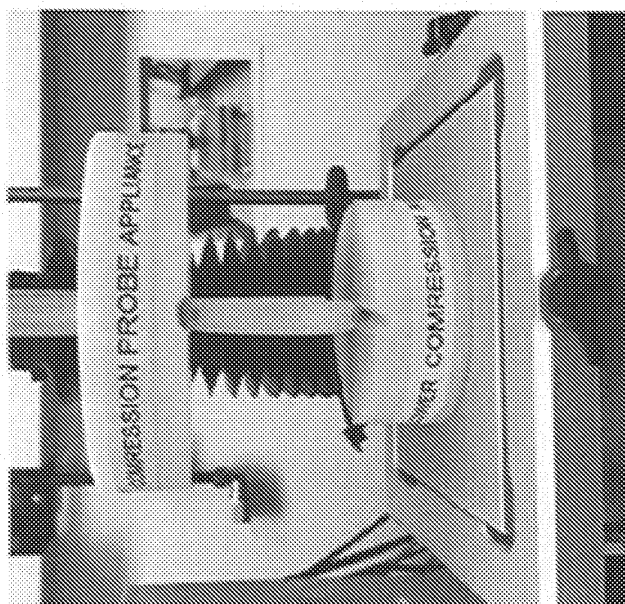


FIG. 9F

Name	Structure
6 α -OH-EE	
6 β -OH-EE	
6 α -OH-NES	
6 β -OH-NES	

FIG. 10A

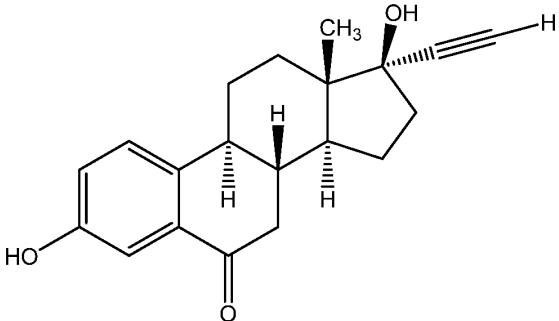
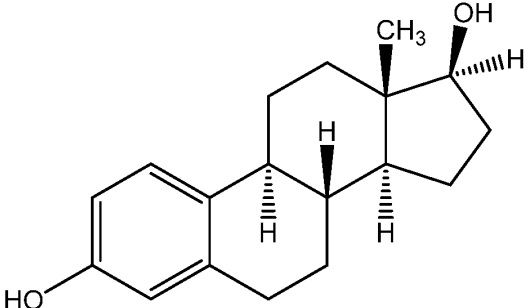
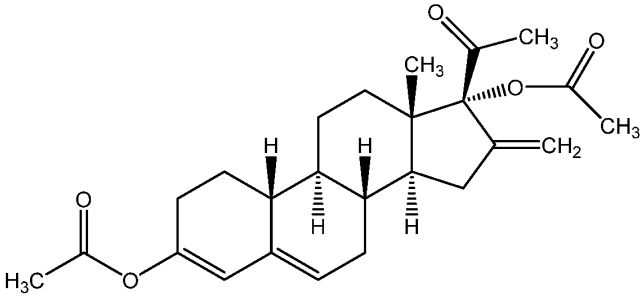
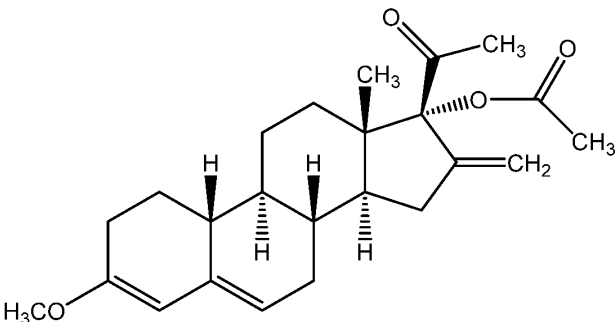
Name	Structure
6-keto-EE	
17 β -estradiol	
3-enolacetate-NES	
3-Methoxy-NES	

FIG. 10B

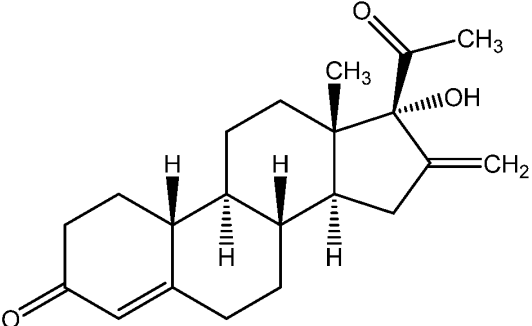
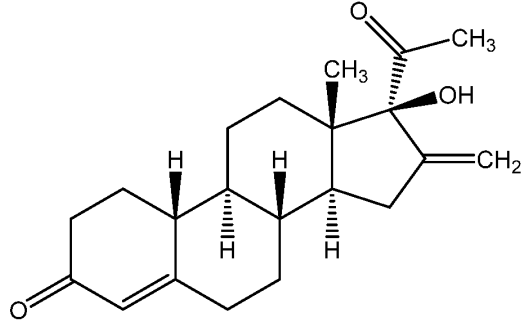
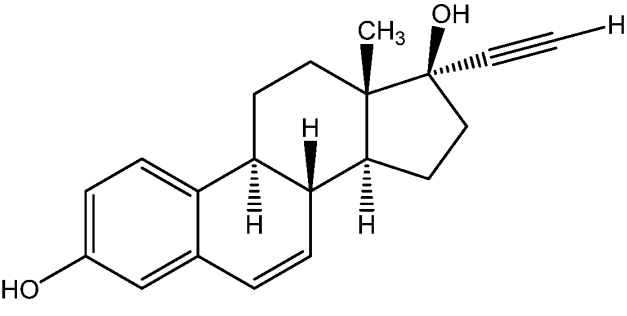
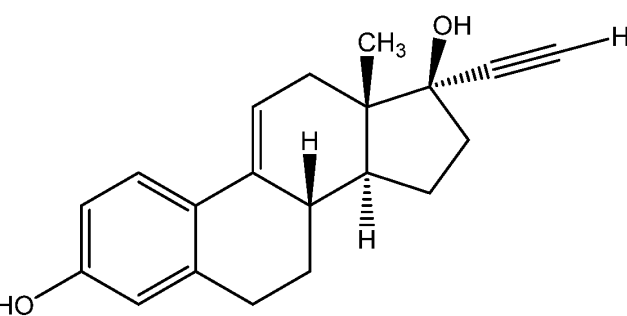
Name	Structure
NES ST-alcohol	
NES-iso-ST-alcohol	
6,7-didehydro-EE	
9,11-didehydro-EE	

FIG. 10C

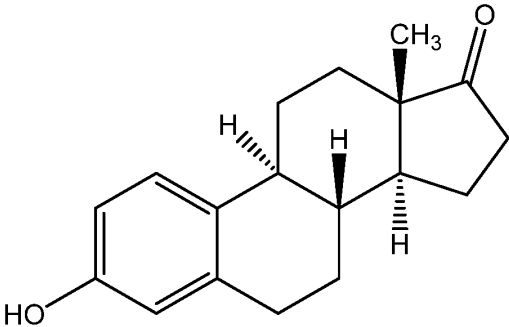
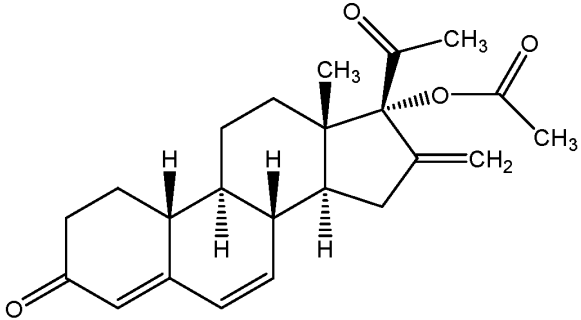
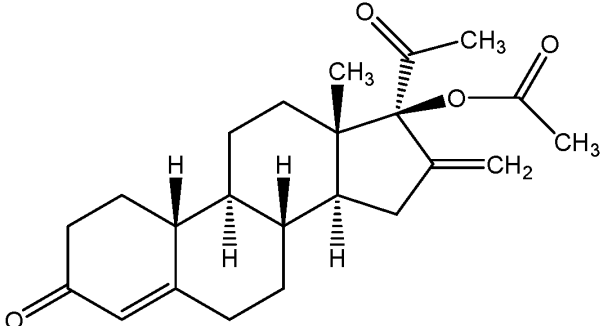
Name	Structure
Estrone	 The chemical structure of Estrone is a steroid with a phenolic A-ring (hydroxyl group at C3), a ketone at C17, and a methyl group at C13. Stereochemistry is shown with wedges and dashes at C13, C14, and C17.
Δ^6 -NES	 The chemical structure of Δ^6-NES is a steroid with a ketone at C3, a double bond between C5 and C6, and an acetoxy group at C17. Stereochemistry is shown with wedges and dashes at C13, C14, and C17.
Iso-NES	 The chemical structure of Iso-NES is a steroid with a ketone at C3, a double bond between C5 and C6, and an acetoxy group at C17. Stereochemistry is shown with wedges and dashes at C13, C14, and C17.

FIG. 10D