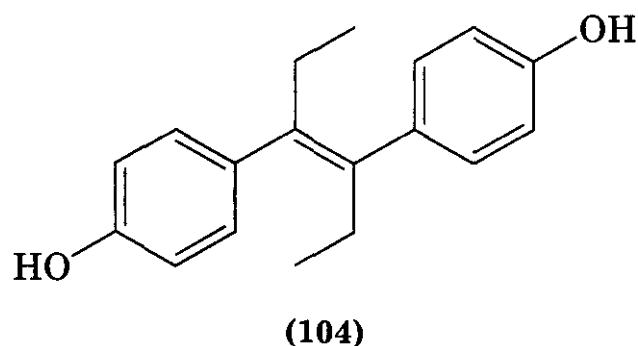
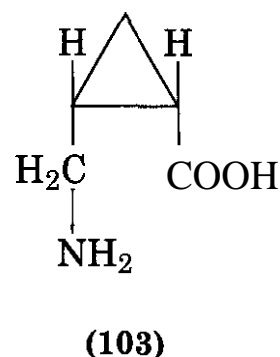
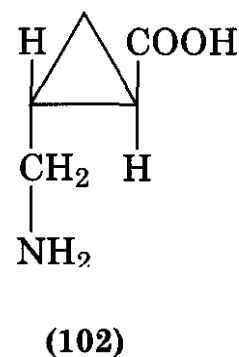


The folded *Z*-isomer (100) was inactive in assays for **GABA** agonism, whereas the extended *E*-isomer (101) was active. These data demonstrate biological differences of geometric isomers, which in turn involve a parameter discussed previously: imposition of a degree of structural rigidity on the molecule. A strategy analogous to this *E/Z* olefinic **GABA** congener design addressed *cis*- and *trans*-1,2-disubstituted cyclopropane derivatives (102) and (103), whose relative effects at **GABA** receptors paralleled those of the olefinic derivatives (65).

The *E*-isomer of the diethylstilbestrol structure (104) has 10 times the estrogenic potency of the *Z*-isomer; this effect has been rationalized from the conclusion that the *E*-



geometric isomer is an open-chain analog of the natural estrogen estradiol (105) (66). In dienestrol (106), the geometric isomerism possible with olefinic moieties has been further

