15

-continued

$$(S-82)$$

$$\downarrow^{+}_{S} X^{-}_{CH_{2}(CF_{2})_{3}CF_{3}}$$

$$X$$
 $CH_2CF_2H$ 

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & & \\ & \\ & & \\ &$$

$$(S-90)$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \qquad$$

(S-83) 
$$\begin{array}{c} & & & \text{F} & \text{F} \\ & & & \\ & & & \\ \text{(S-91)} \\ & & & \\ & & & \\ \text{(S-91)} \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & &$$

(S-84) 
$$\begin{array}{c} & & & \\ & 30 & & \\ & & X^* & \\ & & (CF_2)_5CF_3 \end{array}$$

(S-85) 
$$^{35}$$
 (S-93)  $X^{*}$   $CH_{2}Ph$   $C$ 

(S-86) 
$$\begin{array}{c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\$$

(S-87) 
$$_{50}$$
  $\xrightarrow{+}_{S}$   $CH_{2}Ph$   $X^{-}$   $\downarrow$   $CH_{2}(CF_{2})_{3}CF_{3}$ 

(S-88) 
$$X^{*}$$
  $(CF_{2})_{5}CF_{2}H$ 

60  $(S-97)$ 
 $X^{*}$   $(CF_{2})_{7}CF_{2}H$