Figure S1. Reactions for synthesis of DABCO derivatives.

(1)
$$N \longrightarrow N$$
 $\xrightarrow{Br-(CH_2)_{15}CH_3}$ Ethyl acetate, rt $DC16$ \xrightarrow{Br} $N \longrightarrow N$ $N \longrightarrow N$

(2)
$$N = N = \frac{Br - (CH_2)_{17}CH_3}{Ethyl acetate, rt}$$
 DC18 $Br = N$

(3) DC16
$$\frac{C_6H_{13}Br}{CH_3CN, reflux}$$
 C6DC16 $\frac{}{Br}$ $\frac{}{N}$ $\frac{}{N}$ $\frac{}{N}$

(4) DC16
$$\xrightarrow{\text{AgF (aq)}}$$
 DC16F F $\stackrel{\oplus}{N}$ $\stackrel{\wedge}{N}$ + AgBr $^{\downarrow}$

(5)
$$N = N = \frac{HO^{(*)_9}Br}{Ethyl \ acetate, \ rt} HO^{(*)_9}Br = HO^{(*)_9}N^{(*)}$$

(6)
$$C_2H_5I$$
 C_2H_5I C_3CN , reflux C_3CN , refl

DC11MAF