

Supplementary Information

$$SO_3Na$$
 Θ
 $NH(C_2H_5)CH_2$
 SO_3Na
 $N(C_2H_5)CH_2$

Figure 1. FD&C Blue No. 1

Figure 2. FD&C Blue No. 2

$$\begin{array}{c} \text{SO}_3\text{Na} \\ \\ \text{HO} \\ \\ \text{NH}(\text{C}_2\text{H}_5)\text{CH}_2 \\ \\ \\ \text{SO}_3\text{Na} \\ \\ \\ \text{N(C}_2\text{H}_5)\text{CH}_2 \\ \\ \end{array}$$

Figure 3. FD&C Green No. 3

Figure 4. FD&C Red No. 3

$$NaO_3S \longrightarrow N = N \longrightarrow SO_3Na$$

Figure 5. FD&C Red No. 40

Figure 6. FD&C Yellow No. 5

$$NaO_3S$$
 $N=N$ $N=N$ SO_3N_6

Figure 7. FD&C Yellow No. 6