$$
\begin{aligned}
\Psi_{34} &= C_1\left(-|00dd\rangle - i\,|0dd0\rangle - i\,|d00d\rangle + |dd00\rangle\right) \\
&\quad + C_2\left(-i\,|0d0d\rangle + |d0d0\rangle\right)
\end{aligned}
$$

$$
C_1 = -\left(\frac{1}{4}\right) - \frac{i}{4}
$$

$$
C_2 = \frac{-i}{2}
$$