$$\sum_{m=0}^{\infty} \frac{1}{(n+2m)!} \binom{n+2m}{n} \times \begin{pmatrix} & & & \\ & & & \\ & & & \\ & & & \\ & & & \end{pmatrix} \times n! \times \begin{pmatrix} & & & \\ & & & \\ & & & \\ & & & \end{pmatrix}^m \times C_m$$