$$i\hbar\frac{\partial\psi_c(\mathbf{r},t)}{\partial t} = -\frac{\hbar^2}{2m}\nabla^2\psi_c(\mathbf{r},t) + V(\mathbf{r},t)\psi_c(\mathbf{r},t)$$
$$+ \frac{\hbar^2}{2m}\frac{\nabla^2\left|\psi_c(\mathbf{r},t)\right|}{\left|\psi_c(\mathbf{r},t)\right|}\psi_c(\mathbf{r},t) \ ,$$