8. $\dfrac{\partial w}{\partial t} = a\dfrac{\partial}{\partial x}\left(e^{\lambda w}\dfrac{\partial w}{\partial x}\right) + b + c_1 e^{\beta w} + c_2 e^{\gamma w}.$

Reference

Polyanin, A. D. and Zaitsev, V. F., *Handbook of Nonlinear Partial Differential Equations* (Section 1.2.2), Chapman & Hall/CRC, Boca Raton, 2004.

