$$
-\Bigg(\Bigg(2\,\Big(-2\,\dot{\tilde{\alpha}}_C^{\,2}\,H\,M_V^{\,2}-2\,\tilde{\alpha}_C^{\,2}\,\left(1+\tilde{\alpha}_M\right)^2 H^3\,M_V^{\,2}+
\left(-\tilde{\alpha}_M+\tilde{\alpha}_T\right)\,\tilde{\alpha}_V\,H^3\,M_V^{\,2}+\dot{\tilde{\alpha}}_C\,\left(\dot{\varphi}^2+2\,\left(\dot{H}-\left(\tilde{\alpha}_M+2\,\tilde{\alpha}_C\,\left(1+\tilde{\alpha}_M\right)-\tilde{\alpha}_T\right)\,H^2\right)\,M_V^{\,2}\right)+
\tilde{\alpha}_C\,\left(1+\tilde{\alpha}_M\right)\,H\,\left(\dot{\varphi}^2+2\,\left(\dot{H}+\left(-\tilde{\alpha}_M+\tilde{\alpha}_T\right)\,H^2\right)\,M_V^{\,2}\right)\Big)\,M_P^2\,V'[\varphi]\Big)\Big/
\Big(\left(\ddot{\varphi}+3\,\dot{\varphi}\,H\right)\,M_V^{\,2}\,\Big(H\,\Big(\tilde{\alpha}_A^{\,2}\,\left(-\tilde{\alpha}_M+\tilde{\alpha}_T\right)\,H^2\,M_V^{\,2}+
\tilde{\alpha}_A\,\left(\left(1+\tilde{\alpha}_C\right)\,\dot{\varphi}^2+2\,\left(1+\tilde{\alpha}_C\right)\,\dot{H}\,M_V^{\,2}-2\,\left(1+2\,\tilde{\alpha}_C\right)\,H\,\left(\dot{\tilde{\alpha}}_C+\left(\tilde{\alpha}_C+\tilde{\alpha}_M+\tilde{\alpha}_C\,\tilde{\alpha}_M-\tilde{\alpha}_T\right)\,H\right)\,M_V^{\,2}\right)+
2\,\tilde{\alpha}_C\,\left(1+\tilde{\alpha}_C\right)\,\left(\dot{\varphi}^2+2\,\dot{H}\,M_V^{\,2}+H\,\left(-2\,\dot{\tilde{\alpha}}_C+\left(-2\,\tilde{\alpha}_M-2\,\tilde{\alpha}_C\,\left(1+\tilde{\alpha}_M\right)+2\,\tilde{\alpha}_T+\tilde{\alpha}_V\right)\,H\right)\,M_V^{\,2}\right)\Big)+
\tilde{\alpha}_K\,\Big(2\,\dot{\tilde{\alpha}}_C^{\,2}\,H\,M_V^{\,2}+2\,\tilde{\alpha}_C^{\,2}\,\left(1+\tilde{\alpha}_M\right)^2 H^3\,M_V^{\,2}+\left(\tilde{\alpha}_M-\tilde{\alpha}_T\right)\,\tilde{\alpha}_V\,H^3\,M_V^{\,2}-
\dot{\tilde{\alpha}}_C\,\left(\dot{\varphi}^2+2\,\left(\dot{H}-\left(\tilde{\alpha}_M+2\,\tilde{\alpha}_C\,\left(1+\tilde{\alpha}_M\right)-\tilde{\alpha}_T\right)\,H^2\right)\,M_V^{\,2}\right)-
\tilde{\alpha}_C\,\left(1+\tilde{\alpha}_M\right)\,H\,\left(\dot{\varphi}^2+2\,\left(\dot{H}+\left(-\tilde{\alpha}_M+\tilde{\alpha}_T\right)\,H^2\right)\,M_V^{\,2}\right)\Big)+\gamma\,\Big(-4\,\dot{\tilde{\alpha}}_C^{\,2}\,H\,M_V^{\,2}+
2\,\dot{\tilde{\alpha}}_C\,\left(\left(1+\tilde{\alpha}_C\right)\,\dot{\varphi}^2+2\,\left(1+\tilde{\alpha}_C\right)\,\dot{H}\,M_V^{\,2}+\left(\tilde{\alpha}_A\,\left(1+\tilde{\alpha}_M\right)-2\,\left(\tilde{\alpha}_C+\tilde{\alpha}_M+\tilde{\alpha}_C\,\tilde{\alpha}_M-\tilde{\alpha}_T\right)\right)\,H^2\,M_V^{\,2}\right)+
H\,\Big(-\tilde{\alpha}_A\,\left(\left(1+\tilde{\alpha}_T\right)\,\dot{\varphi}^2+2\,\left(1+\tilde{\alpha}_T\right)\,\dot{H}\,M_V^{\,2}-2\,\left(1+\tilde{\alpha}_M\right)\,\left(\tilde{\alpha}_C+\tilde{\alpha}_M+\tilde{\alpha}_C\,\tilde{\alpha}_M-\tilde{\alpha}_T\right)\,H^2\,M_V^{\,2}\right)+
2\,\left(\tilde{\alpha}_C+\tilde{\alpha}_M+\tilde{\alpha}_C\,\tilde{\alpha}_M-\tilde{\alpha}_T\right)\,\left(-\tilde{\alpha}_V\,H^2\,M_V^{\,2}+\tilde{\alpha}_C\,\left(\dot{\varphi}^2+2\,\dot{H}\,M_V^{\,2}\right)\right)\Big)\Big)\Big)\Big)\Big)\Big)
$$