$$\sqrt{2} \sqrt{-\frac{\iota_{\sharp}}{r_{\sharp}} (4 + \iota_{\sharp})} \sqrt{\xi} + \frac{\left(-36 - 4 \iota_{\sharp} + \iota_{\sharp}^{2}\right) \xi^{3/2}}{6 \sqrt{2} \sqrt{-\iota_{\sharp}} (r_{\sharp} (4 + \iota_{\sharp}))^{3/2}} + \frac{\iota_{\sharp}^{2} \left(144 - 3744 \iota_{\sharp} - 1624 \iota_{\sharp}^{2} - 136 \iota_{\sharp}^{3} + 9 \iota_{\sharp}^{4}\right) \xi^{5/2}}{240 \sqrt{2} r_{\sharp}^{2} (4 + \iota_{\sharp})^{2} \sqrt{-r_{\sharp} \iota_{\sharp}^{7} (4 + \iota_{\sharp})}} - \frac{\left(\iota_{\sharp} (12480 + 19776 \iota_{\sharp} - 8592 \iota_{\sharp}^{2} - 10784 \iota_{\sharp}^{3} - 2732 \iota_{\sharp}^{4} - 188 \iota_{\sharp}^{5} + 5 \iota_{\sharp}^{6}\right) \xi^{7/2}}{448 \left(\sqrt{2} r_{\sharp}^{3} (4 + \iota_{\sharp})^{3} \sqrt{-r_{\sharp} \iota_{\sharp}^{7} (4 + \iota_{\sharp})}\right)} + \frac{\left(11439360 + 42347520 \iota_{\sharp} + 56183040 \iota_{\sharp}^{2} + 17521920 \iota_{\sharp}^{3} - 4943392 \iota_{\sharp}^{4} - 3744704 \iota_{\sharp}^{5} - 709936 \iota_{\sharp}^{6} - 41808 \iota_{\sharp}^{7} + 525 \iota_{\sharp}^{8}\right) \xi^{9/2}\right) / \left(138240 \sqrt{2} r_{\sharp}^{4} (4 + \iota_{\sharp})^{4} \sqrt{-r_{\sharp} \iota_{\sharp}^{7} (4 + \iota_{\sharp})}\right) + \left(\left(-60318720 + 192384000 \iota_{\sharp} + 1011406080 \iota_{\sharp}^{2} + 1529840640 \iota_{\sharp}^{3} + 866594688 \iota_{\sharp}^{4} + 157458048 \iota_{\sharp}^{5} - 33015648 \iota_{\sharp}^{6} - 18666944 \iota_{\sharp}^{7} - 2875220 \iota_{\sharp}^{8} - 147924 \iota_{\sharp}^{9} + 945 \iota_{\sharp}^{10}\right) \xi^{11/2}\right) / \left(\left(-632293724160 - 2155286568960 \iota_{\sharp} - 2395199600640 \iota_{\sharp}^{2} + 236777748480 \iota_{\sharp}^{3} + 3081436694784 \iota_{\sharp}^{4} + 2733581233152 \iota_{\sharp}^{5} + 1014268345088 \iota_{\sharp}^{6} + 127225805568 \iota_{\sharp}^{7} - 25746179952 \iota_{\sharp}^{8} - 11039030176 \iota_{\sharp}^{9} - 1426991544 \iota_{\sharp}^{10} - 64846440 \iota_{\sharp}^{11} + 218295 \iota_{\sharp}^{12}\right) \xi^{13/2}\right) / \right) /$$

 $\left(402\,554\,880\,\sqrt{2}\,\,r_{\sharp}^{6}\,L_{\sharp}^{2}\,\left(4+L_{\sharp}\right)^{\,6}\,\sqrt{-\,r_{\sharp}^{\,\sharp}\,L_{\sharp}^{7}}\,\left(4+L_{\sharp}\right)\,\right)\,+\,0\,[\,\xi\,]^{\,15/2}$