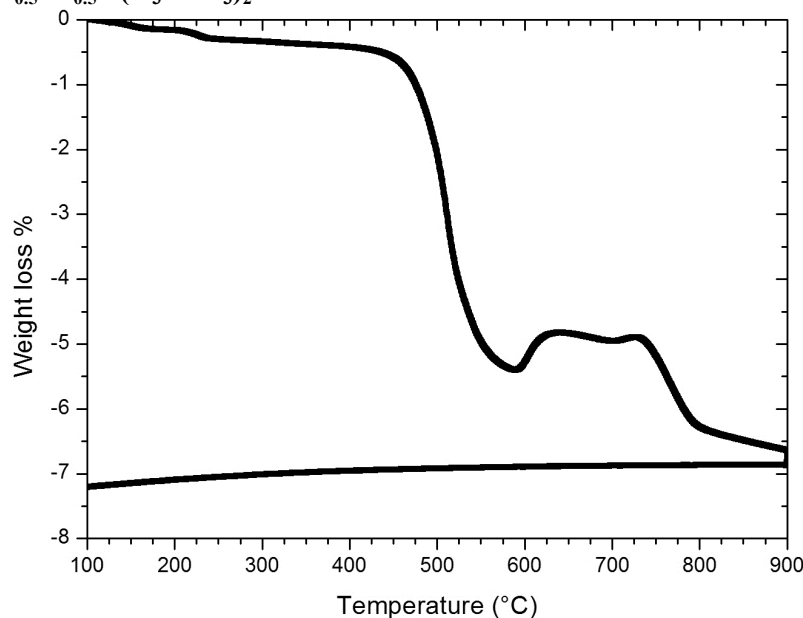


Supplementary materials for the manuscript :
La_{1-x}Ln_xH(O₃PCH₃)₂ (Ln=Tb, Eu ; 0<x≤1) : An Organic-Inorganic Hybrid with Lanthanide Chains and Tunable Luminescent Properties.

TGA curve of La_{0.5}Eu_{0.5}H(O₃PCH₃)₂



Rq : Decomposition of La_{0.5}Eu_{0.5}H(O₃PCH₃)₂ occurs in two steps (between 450°C and 590°C with weight loss and between 590°C and 900°C with weight gain and loss) instead of one step like found by Rosa et al. for TbH(O₃PCH₃)₂.

X-Ray Diffraction Powder Patterns (XRDPP) of La_{1-x}Ln_xH(O₃PCH₃)₂ (Ln = Eu, Tb)

Experimental XRDPP of LaH(O₃PCH₃)₂ (red line), La_{0.5}Eu_{0.5}H(O₃PCH₃)₂ (brown line), La_{0.5}Tb_{0.5}H(O₃PCH₃)₂ (green line), calculated and difference XRDPP of LaH(O₃PCH₃)₂ (black and blue line respectively) and Bragg positions of LaH(O₃PCH₃)₂ (dark green bars)

