



Fig. S1. TGA plot of $\text{Ba}_3(\text{C}_9\text{H}_9\text{O}_6)_2 \cdot 8 \text{H}_2\text{O}$ showing the weight loss in two stages:
 Δw_1 : 12.5 % (expected for loss of 8 H_2O molecules: 15 %).
 Δw_T : 40 % (expected for total transformation into BaCO_3 : 40 %).