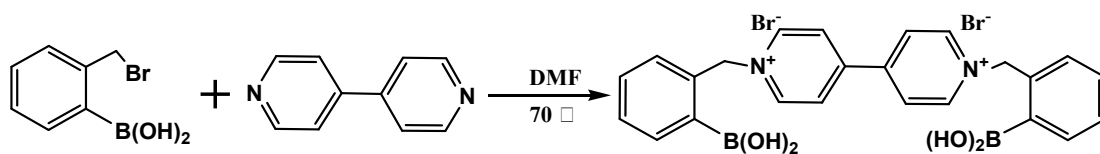


1 **Supplementary Materials:**

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4 **Fig. S1.** The synthetic scheme of BBV.

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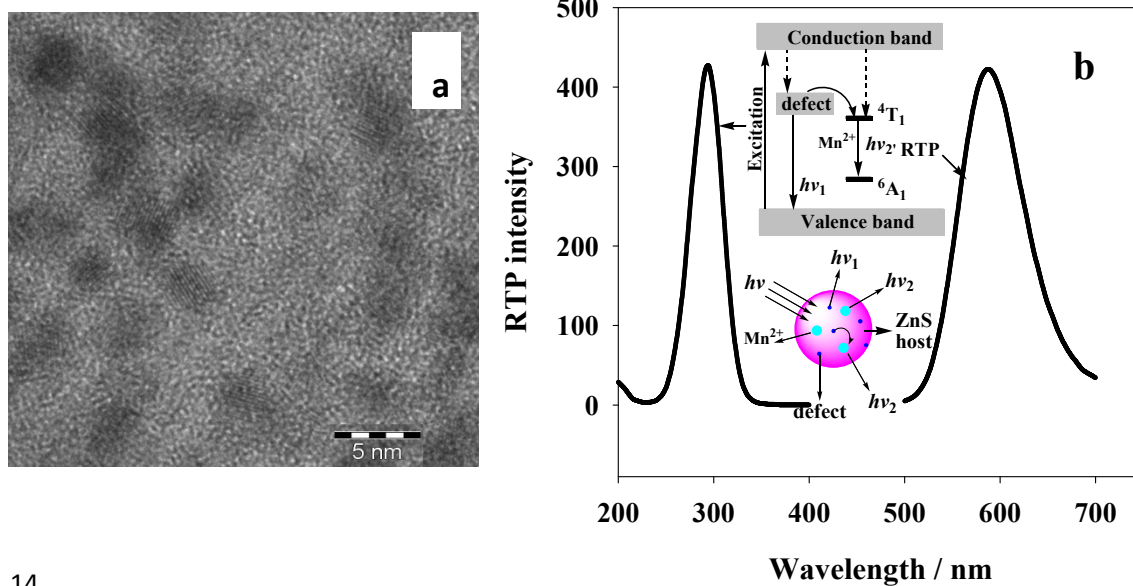
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15 **Fig. S2.** (a)TEM image of MPA-capped Mn-doped ZnS QDs. (b) The excitation and  
 16 RTP emission spectra of Mn-doped ZnS QDs (40 mg L<sup>-1</sup>). Solutions were prepared in  
 17 PBS (10 mM, pH 7.4).

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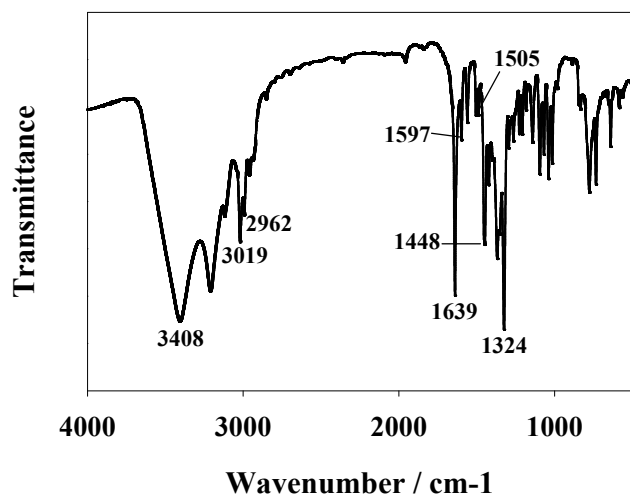
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**Fig. S3.** FT-IR spectra of BBV.

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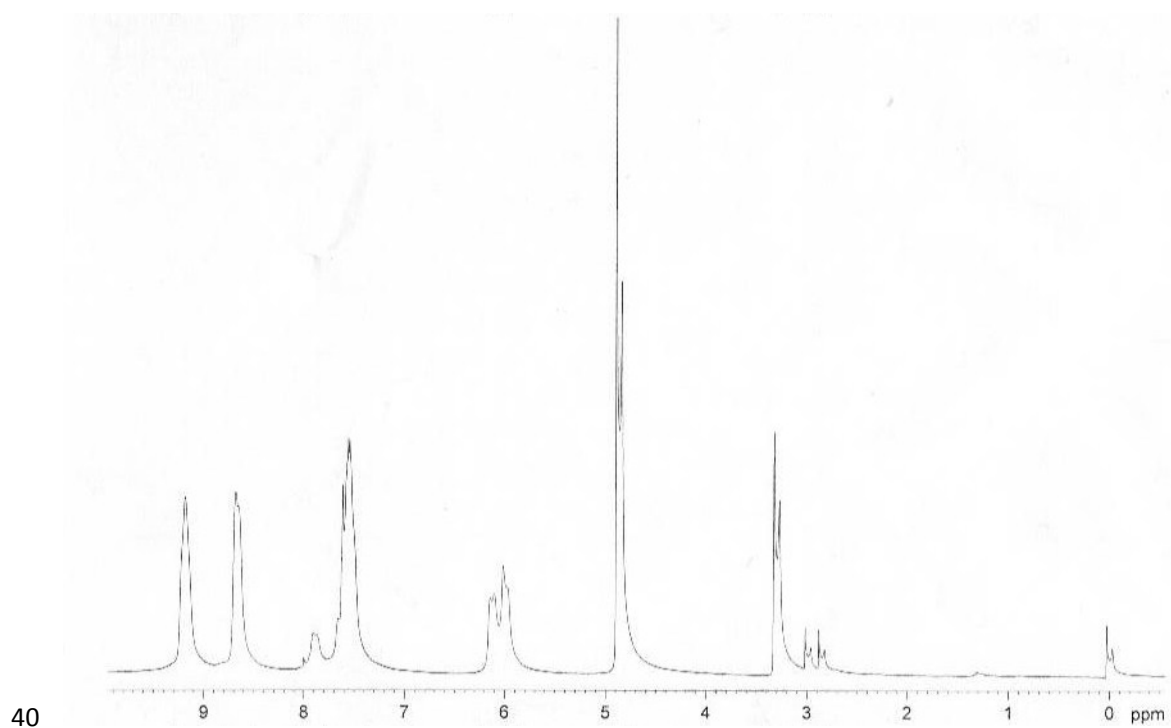
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**Fig. S4.**  $^1\text{H}$  NMR spectra of BBV.

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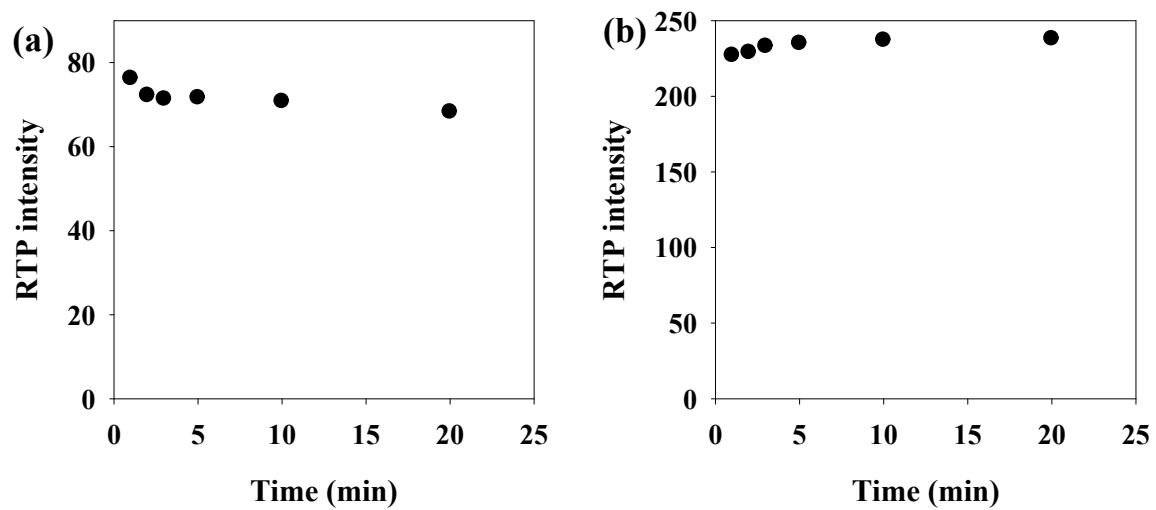
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52 **Fig. S5.** (a) Time-dependent RTP emission of the Mn-doped ZnS QDs and DXR; (b)

53 Time-dependent RTP emission of the Mn-doped ZnS QDs/DXR and glucose..

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