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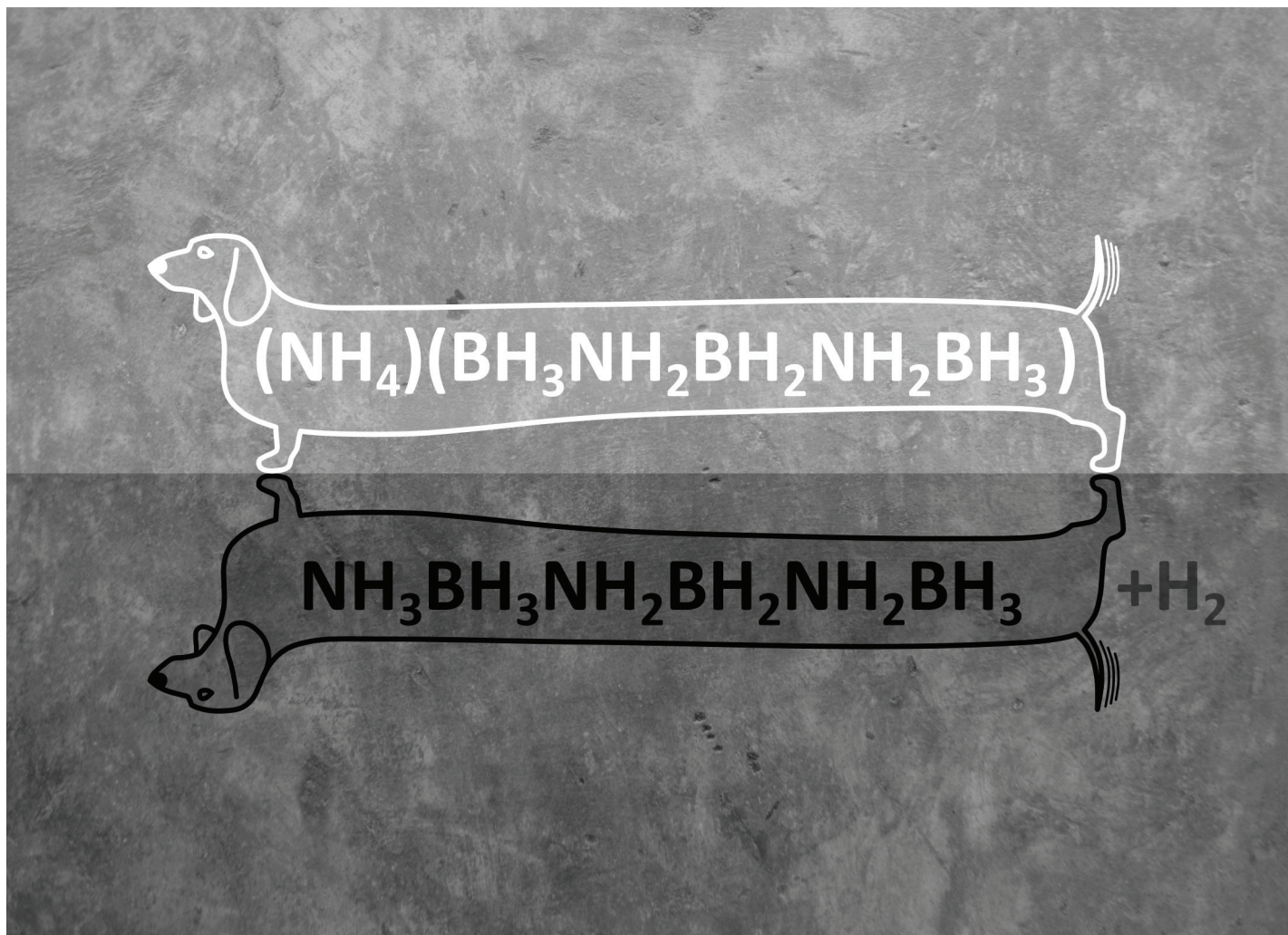
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Family of N & B-based hydrogen stores has now been enlarged by a novel dachshund-like ionic derivative, $\text{NH}_4(\text{BH}_3\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3)$, which forms cocrystals with related, partly dehydrogenated, molecular $\text{NH}_3\text{BH}_2\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3$. These enormously hydrogen-rich systems easily release hydrogen gas upon thermal activation.

Towards hydrogen-rich ionic $(\text{NH}_4)(\text{BH}_3\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3)$ and related molecular $\text{NH}_3\text{BH}_2\text{NH}_2\text{BH}_2\text{NH}_2\text{BH}_3$

As featured in:



See Rafał Owarczany,
Karol J. Fijałkowski *et al.*,
Dalton Trans., 2023, **52**, 3586.