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Are the Compounds InH₃ and TlH₃ Stable Gas Phase or Solid State Species? —

The results of ab initio MP2 calculations indicate that In₂H₆ and Tl₂H₆ are thermodynamically unstable in both the gas phase and in the solid state. However, these compounds are kinetically stable in the gas phase and molecular structures and vibrational frequencies are predicted. — (HUNT, P.; SCHWERTDFEGER, P.; Inorg. Chem. 35 (1996) 7, 2085-2088; Dep. Chem., Univ. Auckland, Auckland, N. Z.; EN)