



Showcasing research from Professor Irishi N. N. Namboothiri's laboratory, Department of Chemistry, Indian Institute of Technology Bombay, Mumbai 400 076, India

1,3-Bishomocubane: a kinetic rock, a thermodynamic powerhouse and a compelling chiral synthetic scaffold

1,3-Bishomocubane (BHC) is a readily accessible chiral, strained, polycarbocyclic skeleton. Possible applications of suitably functionalized BHCs as mechanistic probes, synthetic intermediates and high energy density (HED) materials have been demonstrated. Functionalized BHCs are also prospective chiral ligands/catalysts and bioactive materials.

As featured in:



See Irishi N. N. Namboothiri et al., Chem. Commun., 2024, 60, 14542.