

The Structure of Lithiumiodide 3-Tetrahydrofuran

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Lithiumiodide THF Solvate, X-Ray Data

$\text{LiI} \cdot 3\text{THF}$ was obtained from the reaction of tmp_2AlI (tmp = tetramethylpiperidino) with Li-AsHPh in toluene/THF. It is more conveniently prepared from LiH and iodine in THF. It forms molecule in the lattice, the Li ion being tetracoordinated in a slightly distorted tetrahedral fashion.

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