

Metallation of Calix[4]arene with Thulium Diiodide, $\text{TmI}_2(\text{DME})_3$: Molecular Structure of [(5,11,17,23-Tetra-*tert*-butyl-25,27-dioxo-26,28- dimethoxycalix[4]arene)thulium(III)iodide(diethyl etherate)]

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Thulium Diiodide, Calix Arene

[(5,11,17,23-Tetra-*tert*-butyl-25,27-dioxo-26,28-dimethoxycalix[4]arene)thulium(III)-iodide(diethyl etherate)] **1** is obtained by deprotonation of 5,11,17,23-tetra-*tert*-butyl-25,27-dihydroxy-26,28-dimethoxy-calix[4]arene with 2 equivalents of $\text{TmI}_2(\text{DME})_3$ in THF.

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