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Tavaborole

National Cancer Institute

Source

National Cancer Institute. *Tavaborole*. NCI Thesaurus. Code C81725.

A boron-containing small molecule antifungal agent with broad-spectrum activity against filamentous fungi, including both mold and yeast. 5-Fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborole inhibits fungal cytoplasmic leucyl-tRNA synthetase by preventing catalytic turnover, thus inhibiting synthesis of leucyl-tRNA(Leu) and consequentially blocking protein synthesis.