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Compound Summary for CID 11499245

Tavaborole

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STRUCTURE



VENDORS



DRUG INFO



PHARMACOLOGY



LITERATURE



PATENTS



BIOACTIVITIES

PubChem CID: 11499245

Chemical Names:

Tavaborole; 174671-46-6; AN-2690; 5-FLUOROBENZO[C][1,2]OXABOROL-1(3H)-OL;

Kerydin; AN 2690

[More...](#)

Molecular Formula: $C_7H_6BFO_2$

Molecular Weight: 151.931 g/mol

InChI Key: LFQDNHWZDQTITF-UHFFFAOYSA-N

Drug Information:

[Drug Indication](#)
[Therapeutic Uses](#)
[Clinical Trials](#)
[FDA Orange Book](#)
[FDA UNII](#)

Safety Summary: [Laboratory Chemical Safety Summary \(LCSS\)](#)

Tavaborole is an Oxaborole Antifungal. The mechanism of action of tavaborole is as a Protein Synthesis Inhibitor. The chemical classification of tavaborole is [Boron Compounds](#).

► [FDA Pharmacology Summary from FDA Pharm Classes](#)

5-Fluoro-1,3-Dihydro-1-Hydroxy-2,1-Benzoxaborole is 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.

► [Pharmacology from NCI](#)

PUBCHEM > COMPOUND > TAVABOROLE

Create Date: 2006-10-26

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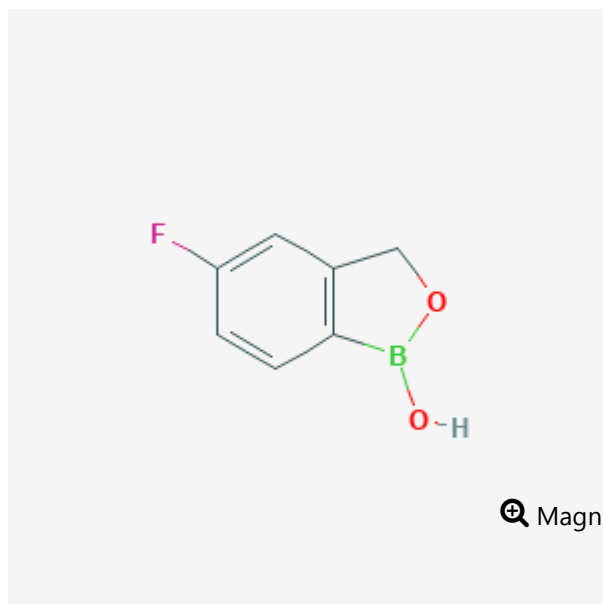
17 Information Sources

1 2D Structure

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▶ from PubChem

2 3D Status

Conformer generation is disallowed since MMFF94s unsupported element

▶ *from PubChem*

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