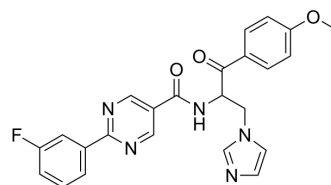


## CYP51-IN-16

Cat. No.:	HY-162370
Molecular Formula:	C <sub>24</sub> H <sub>20</sub> FN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	445.45
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	CYP51-IN-16 (compound C6) is a phenylpyrimidine CYP51 inhibitor, and shows antifungal activity in vitro. CYP51-IN-16 inhibits tumor cell growth <sup>[1]</sup> .	
<b>In Vitro</b>	CYP51-IN-16 (compound C6) (0, 2, 4, 8, 16, 32, 64 μM, 24 h) inhibits the cell growth of MDA-MB-231, DU145 and L929 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay <sup>[1]</sup>	
	Cell Line:	MDA-MB-231, DU145 and L929 cells
	Concentration:	0, 2, 4, 8, 16, 32, 64 μM
	Incubation Time:	24 h
	Result:	Inhibited cell growth.

### REFERENCES

[1]. Gao Z, et al. Design, synthesis and evaluation of 2-phenylpyrimidine derivatives as novel antifungal agents targeting CYP51. RSC Med Chem. 2023;15(2):492-505. Published 2023 Nov 21.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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