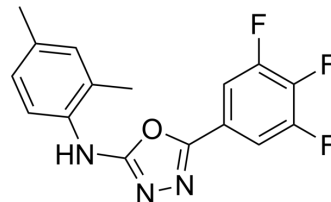


## Anticancer agent 139

Cat. No.:	HY-149388
Molecular Formula:	C <sub>16</sub> H <sub>12</sub> F <sub>3</sub> N <sub>3</sub> O
Molecular Weight:	319.28
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Anticancer agent 139 (Compound 6h) has potent anticancer activity. Anticancer agent 139 displayed a  $\pi$ -cationic interaction with the residue Lys352 of Tubulin. Anticancer agent 139 has good anticancer activity against SNB-19, OVCAR-8, and NCI-H40 with PGIs of 86.61, 85.26, and 75.99, respectively. Anticancer agent 139 also has moderate anticancer activity against HOP-62, SNB-75, ACHN, NCI/ADR-RES, 786-O, A549/ATCC, HCT-116, and MDA-MB-231 with PGIs of 67.55, 65.46, 59.09, 59.02, 57.88, 56.88, 56.53, 56.4, and 51.88 respectively<sup>[1]</sup>.

### REFERENCES

[1]. Mohit Agarwal, et al. Design, Synthesis, ADME, and Anticancer Studies of Newer N-Aryl-5-(3,4,5-Trifluorophenyl)-1,3,4-Oxadiazol-2-Amines: An Insight into Experimental and Theoretical Investigations. ACS Omega 2023, 8, 30, 26837-26849.

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

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