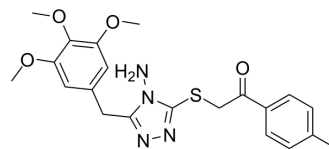


## Tubulin polymerization-IN-8

Cat. No.:	HY-143447
CAS No.:	2768485-08-9
Molecular Formula:	C <sub>21</sub> H <sub>24</sub> N <sub>4</sub> O <sub>4</sub> S
Molecular Weight:	428.5
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

Tubulin polymerization-IN-8 (compound IIc) is a potent inhibitor of tubulin polymerization. Tubulin polymerization-IN-8 concentration-dependently causes cell cycle arrest at the G<sub>2</sub>/M phase in HCT116 tumor cells, and displays a significant inhibition of tubulin polymerization with an IC<sub>50</sub> value of 12.7 μM. Tubulin polymerization-IN-8 has the potential for the research of cancer diseases<sup>[1]</sup>.

### REFERENCES

[1]. Chen L, et al. Concise synthesis and preliminary biological evaluation of new triazolylthioacetone derivatives bearing pyridine, pyrazine, and 3,4,5-trimethoxybenzyl fragment. *Bioorg Med Chem Lett.* 2022;66:128721.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA