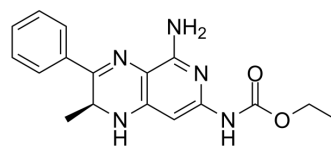


## Mivobulin

Cat. No.:	HY-106423
CAS No.:	122332-18-7
Molecular Formula:	C <sub>17</sub> H <sub>19</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	325.37
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	Mivobulin (NSC 613862) is a tubulin inhibitor, binds to tubulin in the region that overlaps the colchicine site, and inhibits tubulin polymerization. Mivobulin (NSC 613862) promotes the formation of abnormal polymers and a GTPase activity in the tubulin dimer. Anti-cancer activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	Tubulin <sup>[1]</sup>

### REFERENCES

[1]. Barbier P, et al. The active GTP- and ground GDP-liganded states of tubulin are distinguished by the binding of chiral isomers of ethyl 5-amino-2-methyl-1,2-dihydro-3-phenylpyrido[3,4-b]pyrazin-7-yl carbamate. *Biochemistry*. 1998 Jan 13;37(2):758-68.

**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