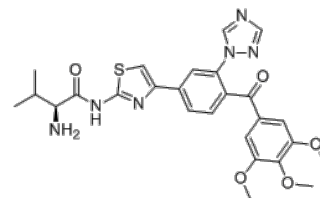


---

<b>Product Name</b>	: Valecobulin
<b>Cat. No.</b>	: PC-35472
<b>CAS No.</b>	: 1188371-47-2
<b>Molecular Formula</b>	: C <sub>26</sub> H <sub>28</sub> N <sub>6</sub> O <sub>5</sub> S
<b>Molecular Weight</b>	: 536.607
<b>Target</b>	: Microtubule/Tubulin
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

CKD-516 (Valecobulin, CKD516) is a potent beta-**tubulin** polymerization inhibitor with marked antitumor activity both in vitro and in vivo.

CKD-516 demonstrates potent cytotoxicity against several cancer cells including P-gp overexpressing MDR positive cell line (HCT15), also induces cell cycle arrest at G(2)/M phase, which is associated with strong inhibition of tubulin polymerization. CKD-516 shows antitumor efficacy against both murine tumors (CT26 and 3LL) and human xenografts (HCT116 and HCT15) in mice.

## References

- Lee J, et al. *J Med Chem.* 2010 Sep 9;53(17):6337-54.
- Kim KW, et al. *Invest New Drugs.* 2013 Oct;31(5):1097-106.
- Lee J, et al. *Bioorg Med Chem Lett.* 2010 Nov 1;20(21):6327-30.
- Kim YI, et al. *Anticancer Res.* 2014 Apr;34(4):1715-22.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com

---